

# NSX-SZ300

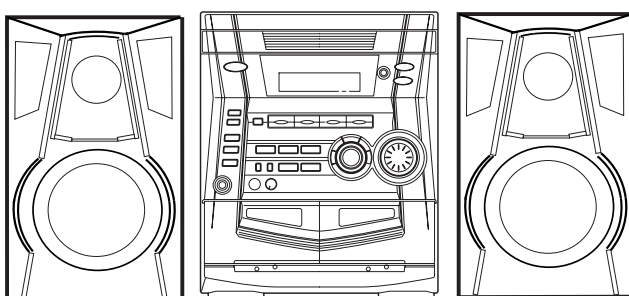
# NSX-SZ309

# NSX-SZ329

HS,HT

HA

LH



# SERVICE MANUAL

COMPACT DISC  
STEREO SYSTEM

BASIC TAPE MECHANISM : ZZM-3  
BASIC CD MECHANISM : BZG-5

SYSTEM	CD CASSEIVER	TAPE MECHANISM	CD MECHANISM	SPEAKER	REMOTE CONTROLLER
NSX-SZ300	CX-NSZ300	ZZM-3 PR1NM	BZG-5 ZD3NM	SX-NSZ302	RC-ZAS02
NSX-SZ309	CX-NSZ309	ZZM-3 YPR1NM	BZG-5 YZD3NCM		
NSX-SZ329	CX-NSZ329		BZG-5 YZD3NM	SX-NSZ329	

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" of NSX-SZ300 <HS,HT>, (S/M Code No. 09-012-440-5T3) and NSX-SZ309 <HA>/SZ329 <LH>, (S/M Code No. 09-012-440-5T4).

- If requiring information about the CD mechanism, see Service Manual of BZG-5 ZD3NM / YZD3NM, (S/M Code No. 09-00C-353-3N2) and BZG-5 YZD3NCM, (S/M Code No. 09-00C-353-3N4).

# aiwa

S/M Code No. 09-014-440-5R2

REVISION

DATA

## SPECIFICATIONS

### **Main unit CX-NSZ300 / CX-NSZ309 / CX-NSZ329**

#### **<FM tuner section>**

<b>Tuning range</b>	87.5 MHz to 108 MHz
<b>Usable sensitivity (IHF)</b>	13.2 dBf
<b>Antenna terminals</b>	75 ohms (unbalanced)

#### **<AM/MW tuner section>**

<b>Tuning range</b>	HS, HT: 531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step) HA, LH: 530 kHz to 1710 kHz (10 kHz step) 531 kHz to 1602 kHz (9 kHz step)
<b>Usable sensitivity</b>	350 $\mu$ V/m
<b>Antenna</b>	Loop antenna

#### **<SW tuner section><HT>**

<b>Tuning range</b>	5.730 MHz to 17.900 MHz
<b>Usable sensitivity</b>	40 $\mu$ V/m (IEC)
<b>Antenna</b>	Wire antenna

#### **<Amplifier section>**

<b>Power output</b>	Rated HS, HT: 32 W + 32 W (6 ohms, THD 1 %, 1 kHz) HA, LH: 62 W + 62 W (6 ohms, THD 1 %, 1 kHz) Reference HS, HT: 40 W + 40 W (6 ohms, THD 10 %, 1 kHz) HA, LH: 80 W + 80 W (6 ohms, THD 10 %, 1 kHz)
<b>Total harmonic distortion</b>	HS, HT: 0.08 % (20 W, 1 kHz, 6 ohms, DIN AUDIO) HA, LH: 0.08 % (40 W, 1 kHz, 6 ohms, DIN AUDIO)
<b>Inputs</b>	VIDEO/AUX: 500 mV MIC: 1.0 mV (10 kohms) <HS, HT>
<b>Outputs</b>	SPEAKERS: 6 ohms or more PHONES: 32 ohms or more

#### **<Cassette deck section>**

<b>Track format</b>	4 tracks, 2 channels stereo
<b>Frequency response</b>	50 Hz – 15 kHz
<b>Recording system</b>	AC bias
<b>Heads</b>	Deck 1: Playback x 1 Deck 2: Recording/Playback x 1, erase x 1

#### **<Compact disc player section>**

<b>Laser</b>	Semiconductor laser ( $\lambda$ = 780 nm)
<b>D-A converter</b>	1 bit dual
<b>Signal-to-noise ratio</b>	85 dB (1 kHz, 0 dB)
<b>Harmonic distortion</b>	0.05 % (1 kHz, 0 dB)

#### **<General>**

<b>Power requirements</b>	HA, HT, LH: 120 V/220-230 V/240 V AC (switchable), 50/60 Hz HS: AC 220 V, 60 Hz
<b>Power consumption</b>	HS, HT: 70 W HA, LH: 90 W
<b>Power consumption in standby mode</b>	With ECO mode on: 0.6 W With ECO mode off: HS, HT: 14 W HA, LH: 19 W
<b>Dimensions (W x H x D)</b>	260 x 324 x 351 mm
<b>Weight of main unit</b>	HS, HT: 6.0 kg HA, LH: 6.9 kg

### **Front speakers SX-NSZ302 / SX-NSZ329**

<b>Speaker system</b>	3 way, bass reflex (magnetic shielded type)
<b>Speaker units</b>	Woofer: 160 mm cone Tweeter: 60 mm cone Super tweeter: 20 mm ceramic
<b>Impedance</b>	6 ohms
<b>Dimensions (W x H x D)</b>	230 x 324 x 235 mm
<b>Weight</b>	HS, HT: 3.8 kg HA, LH: 4.5 kg

• Design and specifications are subject to change without notice.

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## PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

### WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

### VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

### WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

### CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### ATTENTION

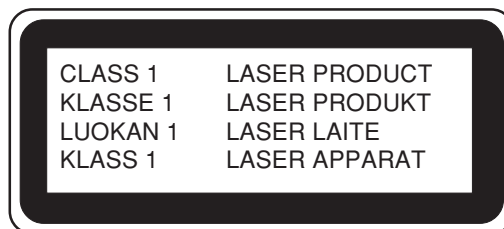
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

### ADVARSEL

Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the rear exterior.

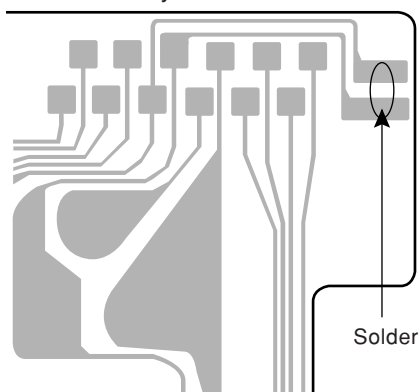


### Precaution to replace Optical block (KSS-213F)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

- 1) After the connection, remove solder shown in the right figure.

(KSS – 213F)  
PICKUP Assy PWB



## NOTE ON BEFORE STARTING REPAIR

### 1. Forced discharge of electrolytic capacitor of power supply block

When repair is going to be attempted in the set that uses relay circuit in the power supply block, electric potential is kept charged across the electrolytic capacitors (C101, 102) even though AC power cord is removed. If repair is attempted in this condition, secondary defect can occur.

In order to prevent the secondary trouble, perform the following measures before starting repair work.

#### Discharge procedure

- ① Remove the AC power cord.
- ② Connect a discharging resistor at an end of lead wire that has clips at both ends. Connect the other end of the lead wire to metal chassis.
- ③ Contact the other end of the discharging resistor to the positive (+) side (+VH) of C101. (For two seconds)
- ④ Contact the same end of the discharging resistor as step ③ to the negative (-) side (-VH) of C102 in the same way. (For two seconds)
- ⑤ Check that voltage across C101 and C102 has decreased to 1 V or less using a multimeter or an oscilloscope.

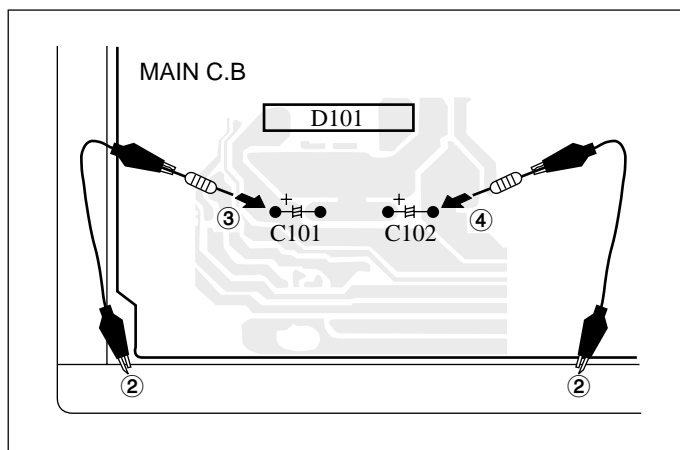


Fig-1

Select a discharging resistor referring to the following table.

Charging voltage (V) (C101, 102)	Discharging resistor ( $\Omega$ )	Rated power (W)	Parts number
25-48	100	3	87-A00-247-090
49-140	220	5	87-A00-232-090

**Note:** The reference numbers (C101, C102) of the electrolytic capacitors can change depending on the models. Be sure to check the reference numbers of the charging capacitors on schematic diagram before starting the discharging work.

### 2. Check items before exchanging the MICROCOMPUTER

Be sure to check the following items before exchanging the MICROCOMPUTER. Exchange the MICROCOMPUTER after confirming that the MICROCOMPUTER is surely defective.

#### 2-1. Regarding the HOLD terminal of the MICROCOMPUTER

When the HOLD terminal (INPUT) of the MICROCOMPUTER is “H”, the MICROCOMPUTER is judged to be operating correctly. When this terminal is “L”, the main power cannot be turned on. Therefore, be sure to check the terminal voltage of the HOLD terminal before exchange.

When the MICROCOMPUTER is not defective, the HOLD terminal can also go “L” when the POWER AMPLIFIER has any abnormalities that triggers the abnormality detection circuit on the MAIN C. B. that sets the HOLD terminal to “L”.

#### • Good or no good judgement of the MICROCOMPUTER

- ① Turn on the AC main power.
- ② Confirm that the main power is turned on and the HOLD terminal of the MICROCOMPUTER keeps the “H” level or not.
- ③ When the HOLD terminal is “L” level, the abnormality detection circuit is judged to be working correctly and the MICROCOMPUTER is judged to be good.

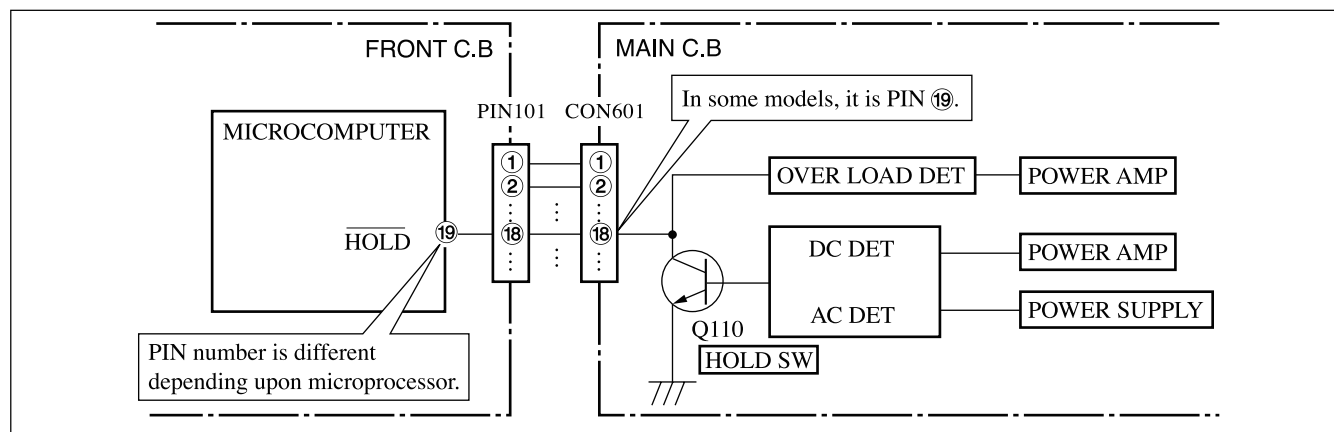


Fig-2-1

In such a case, check also if the POWER AMPLIFIER circuit or power supply circuit has any abnormalities or not.

## 2-2. Regarding reset

There are cases that the machine does not work correctly because the MICROCOMPUTER is not reset even though the AC power cord is re-inserted, or the software reset (pressing the STOP key + POWER key) is performed.

When the above described phenomenon occurs, it can lead to wrong judgement as if the MICROCOMPUTER is defective and to exchange the MICROCOMPUTER. In such a case, perform the forced-reset by the following procedure and check good or no good of the MICROCOMPUTER.

- ① Remove the AC power cord.

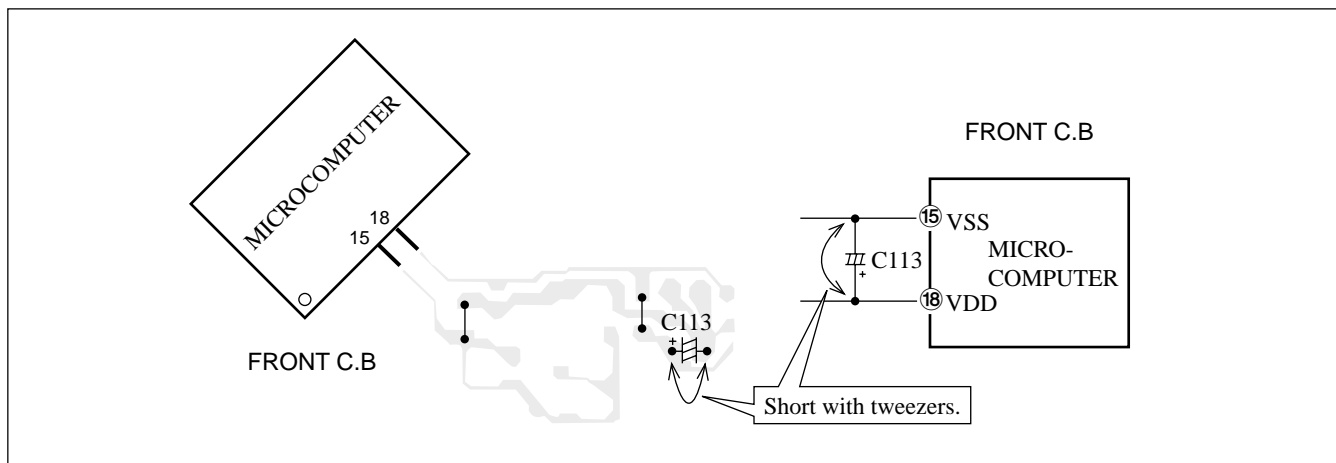


Fig-2-2

- ② Short both ends of the electrolytic capacitor C113 that is connected to VDD of the MICROCOMPUTER with tweezers.
- ③ Connect the AC power cord again. If the MICROCOMPUTER returns to the normal operation, the MICROCOMPUTER is good.

**Note:** The reference number or MICROCOMPUTER pin number of transistor (Q110) and electrolytic capacitor (C113) can change depending on the models. Be sure to check the reference numbers on schematic diagram before starting the discharging work.

## 2-3. Confirmation of soldering state of MICROCOMPUTER

Check the soldering state of the MICROCOMPUTER in addition to the above described procedures. Be sure to exchange the MICROCOMPUTER after surely confirming that the trouble is not caused by poor soldering but the MICROCOMPUTER itself.

# ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C20	87-A12-776-090		CAP, E 2200-50 M 85 SKR<HS,HT>
	87-A21-419-040		C-IC,NJM14558MD-TE2	C20	87-A12-036-000		CAP, E 2200-63 M SMG<HA,LH>
	87-A21-893-040		C-IC,NJM14558V-TE2	C21	87-A12-777-090		CAP, E 3300-25 M 85 SKR
	87-A21-695-010		IC,LA1845L	C22	87-A12-777-090		CAP, E 3300-25 M 85 SKR
	87-A21-928-010		IC,LC72131D-N	C25	87-A12-072-080		CAP, E 100-25 SMG
	87-A21-218-110		IC,NJL64H380A				
	87-A21-401-040		C-IC,M61503FP	C26	87-A12-072-080		CAP, E 100-25 SMG
	8B-NF9-601-030		C-IC,UPD780226GF-021-3BA	C27	87-A12-072-080		CAP, E 100-25 SMG
	87-A21-269-010		IC,EW732	C28	87-A12-072-080		CAP, E 100-25 SMG
				C30	87-A12-095-080		CAP, E 100-50 SMG
				C31	87-A12-062-080		CAP,E 100-10 SMG
TRANSISTOR				C32	87-012-286-080		C-CAP, U 0.01-25
	87-A30-559-010		TR,CSB1370EF	C34	87-A12-072-080		CAP, E 100-25 SMG
	87-A30-076-080		C-TR,2SC3052F	C35	87-A12-071-080		CAP, E 47-25 SMG
	87-A30-075-080		C-TR,2SA1235F	C36	87-A12-067-080		CAP, E 330-16 SMG
	87-A30-107-070		C-TR,CMBT5401	C38	87-012-286-080		C-CAP, U 0.01-25
	87-A30-615-080		TR,STC250				
	87-A30-484-080		C-TR,KRA102S	C60	87-A12-089-080		CAP,E 3.3-50 SMG
	87-026-610-080		TR,KTC3198GR	C61	87-A12-071-080		CAP,E 47-25 SMG
	87-A30-190-080		TR,CC5551	C83	87-A12-068-080		CAP, E 470-16 SMG<HS>
	87-A30-106-040		C-TR,CMBT5551	C83	87-A12-074-080		CAP, E 470-25 SMG<EXCEPT HS>
	87-A30-162-010		FET,2SK2937	C97	87-010-831-080		C-CAP,U 0.1-16 Z F
	87-A30-091-080		FET,2SJ460				
	87-A30-090-080		FET,2SK2541	C101	87-012-278-080		C-CAP,U 2200P-50 K B<HS,HT>
	87-A30-062-080		C-TR,KRC104S	C101	87-012-279-080		C-CAP,U 2700P-50 B<HA,LH>
	87-A30-495-080		TR,2SA1981Y	C102	87-012-278-080		C-CAP,U 2200P-50 K B<HS,HT>
	87-A30-234-080		TR,CSC4115BC	C102	87-012-279-080		C-CAP,U 2700P-50 B<HA,LH>
	89-327-143-080		C-TR,2SC2714 (O)	C103	87-A12-084-080		CAP,E 0.022-50 SMG
	87-A30-489-080		C-TR,KRA107S				
	89-503-602-080		C-FET,2SK360E	C104	87-A12-084-080		CAP,E 0.022-50 SMG
	87-A30-086-040		C-TR,CSD1306E<HT>	C105	87-012-277-080		C-CAP,U 1800P-50 K B GRM<HS,HT>
	87-A30-494-080		TR,2SA1980G	C106	87-012-277-080		C-CAP,U 1800P-50 K B GRM<HS,HT>
	87-A30-528-010		TR,2SB1686	C107	87-A12-089-080		CAP,E 3.3-50 SMG
	87-A30-529-010		TR,2SD2642	C108	87-A12-089-080		CAP,E 3.3-50 SMG
	87-A30-087-080		C-FET,2SK2158				
	87-A30-074-080		C-TR,RT1P141C	C111	87-A12-077-080		CAP,E 33-35 SMG
	87-A30-582-080		TR,CDA1585BC	C112	87-A12-077-080		CAP,E 33-35 SMG
	87-A30-468-080		C-TR,KRC102S-RTK	C113	87-012-195-080		C-CAP,U 100P-50 CH<HS,HT>
	87-A30-490-080		C-TR,KRC107S<HS>	C113	87-A10-596-080		C-CAP,S 100P-100 J CH<HA,LH>
	87-A30-288-040		C-TR,DTC114YKA<EXCEPT HS>	C114	87-012-195-080		C-CAP,U 100P-50 CH<HS,HT>
DIODE				C114	87-A10-596-080		C-CAP,S 100P-100 J CH<HA,LH>
	87-A40-393-090		DIODE,1N5402GW (F20)	C117	87-A12-368-080		C-CAP,S 0.1-50 Z F
	87-A40-553-080		DIODE,1N4003 LES	C118	87-A12-368-080		C-CAP,S 0.1-50 Z F
	87-A40-776-080		ZENER,UZ27BSD	C119	87-012-286-080		C-CAP,U 0.01-25
	87-A40-764-080		ZENER,UZ10BSC	C120	87-012-286-080		C-CAP,U 0.01-25
	87-A40-270-080		C-DIODE,MC2838				
	87-A40-269-080		C-DIODE,MC2836	C123	87-010-177-080		C-CAP,S 820P-25 J SL C2012
	87-A40-291-080		DIODE,1N4148M (CPT)	C124	87-010-177-080		C-CAP,S 820P-25 J SL C2012
	87-A40-749-080		ZENER,UZ5.6BSB	C133	87-012-282-080		C-CAP,U 4700P-50
	87-017-149-080		ZENER,HZS6A2L	C140	87-012-278-080		C-CAP,U 2200P-50
	87-A40-747-080		ZENER,UZ5.1BSB	C186	87-010-759-080		C-CAP,U 0.1-25F
	87-A40-739-080		ZENER,UZ2.7BSA				
	87-A40-748-080		ZENER,UZ5.6BSA	C187	87-A12-091-080		CAP,E 10-50 SMG<HS,HT>
	87-A40-454-090		DIODE,1N5393 GW 12.5<HS,HT>	C187	87-010-866-080		CAP,E 10-63 M VX<HA,LH>
	87-A40-455-090		DIODE,RL203 GW<HA,LH>	C188	87-A12-091-080		CAP,E 10-50 SMG<HS,HT>
				C188	87-010-866-080		CAP,E 10-63 M VX<HA,LH>
				C225	87-012-368-080		C-CAP,S 0.1-50 Z F
				C226	87-012-368-080		C-CAP,S 0.1-50 Z F
				C227	87-012-368-080		C-CAP,S 0.1-50 Z F
				C228	87-012-368-080		C-CAP,S 0.1-50 Z F
				C241	87-010-831-080		C-CAP,U 0.1-16 Z F
				C301	87-012-275-080		C-CAP,U 1200P-50 K B GRM
				C302	87-012-275-080		C-CAP,U 1200P-50 K B GRM
				C303	87-012-275-080		C-CAP,U 1200P-50 K B GRM
				C304	87-012-275-080		C-CAP,U 1200P-50 K B GRM
				C307	87-A12-062-080		CAP,E 100-10 SMG
				C308	87-A12-062-080		CAP,E 100-10 SMG
MAIN C.B							
C3	87-012-368-080		C-CAP,S 0.1-50 Z F	C309	87-012-188-080		C-CAP,U 47P-50 J CH
C4	87-012-368-080		C-CAP,S 0.1-50 Z F	C310	87-012-188-080		C-CAP,U 47P-50 J CH
C5	87-012-368-080		C-CAP,S 0.1-50 Z F	C313	87-012-284-080		CAP, U 6800P-50
C6	87-012-368-080		C-CAP,S 0.1-50 Z F	C314	87-012-284-080		CAP, U 6800P-50
C9	87-010-759-080		C-CAP,U 0.1-25 Z F	C315	87-A12-062-080		CAP,E 100-10 SMG
C10	87-010-759-080		C-CAP,U 0.1-25 Z F	C317	87-A12-085-080		CAP,E 0.33-50 SMG
C11	87-010-759-080		C-CAP,U 0.1-25 Z F	C318	87-A12-085-080		CAP,E 0.33-50 SMG
C12	87-010-759-080		C-CAP,U 0.1-25 Z F	C326	87-010-787-080		C-CAP,U 0.022-25 K B
C19	87-A12-776-090		CAP, E 2200-50 M 85 SKR<HS,HT>	C327	87-010-831-080		C-CAP,U 0.1-16 Z F
C19	87-A12-036-000		CAP, E 2200-63 M SMG<HA,LH>	C360	87-A12-087-080		CAP,E 1-50 SMG

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C399	87-A10-039-080	C-CAP, U 470P-50 J CH	
C401	87-A12-083-080	CAP,E 0.1-50 SMG	
C402	87-A12-083-080	CAP,E 0.1-50 SMG	
C403	87-012-193-080	C-CAP,U 82P-50 CH	
C404	87-012-193-080	C-CAP,U 82P-50 CH	
C405	87-012-286-080	CAP, U 0.01-25	
C406	87-012-286-080	CAP, U 0.01-25	
C407	87-012-286-080	CAP, U 0.01-25	
C408	87-012-286-080	CAP, U 0.01-25	
C409	87-012-278-080	C-CAP,U 2200P-50 B	
C410	87-012-278-080	C-CAP,U 2200P-50 B	
C411	87-A12-091-080	CAP,E 10-50 SMG	
C412	87-A12-091-080	CAP,E 10-50 SMG	
C452	87-A12-069-080	CAP,E 22-25 SMG	
C453	87-012-279-080	C-CAP,U 2700P-50 B	
C454	87-012-279-080	C-CAP,U 2700P-50 B	
C455	87-012-279-080	C-CAP,U 2700P-50 B	
C456	87-012-286-080	CAP, U 0.01-25	
C457	87-A12-361-080	CAP,M 5600P-100 J CP	
C458	87-012-274-080	CHIP CAP,U 1000P-50B	
C459	87-012-271-080	CAP, U 560P-50	
C460	87-010-831-080	C-CAP,U 0.1-16 Z F	
C461	87-012-158-080	C-CAP,S 390P-50 J CH GRM	
C462	87-012-158-080	C-CAP,S 390P-50 J CH GRM	
C470	87-018-127-080	CAP, CER 470P-50V	
C605	87-012-280-080	C-CAP,U 3300P-50 K B	
C606	87-012-280-080	C-CAP,U 3300P-50 K B	
C609	87-010-785-080	C-CAP,U 0.015-25 K B GRM	
C610	87-010-785-080	C-CAP,U 0.015-25 K B GRM	
C611	87-A12-084-080	CAP,E 0.22-50 SMG	
C612	87-A12-084-080	CAP,E 0.22-50 SMG	
C613	87-A12-084-080	CAP,E 0.22-50 SMG	
C614	87-A12-084-080	CAP,E 0.22-50 SMG	
C615	87-012-172-080	CAPACITOR CHIP U 10P CH	
C616	87-016-459-080	CAP,E 470-10 M SMG	
C617	87-016-459-080	CAP,E 470-10 M SMG	
C618	87-A12-091-080	CAP,E 10-50 SMG	
C620	87-010-263-080	CAP,E 100-10 M 11L SME	
C623	87-A12-372-080	CAP,M 0.047-100 JP<HS,HT>	
C623	87-A12-084-080	CAP,E 0.22-50 SMG<HA,LH>	
C624	87-A12-372-080	CAP,M 0.047-100 JP<HS,HT>	
C624	87-A12-084-080	CAP,E 0.22-50 SMG<HA,LH>	
C630	87-016-669-080	C-CAP,S 0.1-25 K B	
C631	87-012-281-080	C-CAP,U 3900P-50 K B GRM	
C632	87-012-281-080	C-CAP,U 3900P-50 K B GRM	
C633	87-A11-070-080	C-CAP,U 0.033-16 K B	
C634	87-A11-070-080	C-CAP,U 0.033-16 K B	
C661	87-012-336-080	C-CAP,U 330P-50 J SL	
C662	87-012-336-080	C-CAP,U 330P-50 J SL	
C671	87-010-831-080	C-CAP,U 0.1-16 Z F<HS,HT>	
C672	87-010-831-080	C-CAP,U 0.1-16 Z F<HS,HT>	
C673	87-012-278-080	C-CAP,U 2200P-50 K B<HS,HT>	
C677	87-012-286-080	CAP, U 0.01-25	
C771	87-A12-062-080	CAP,E 100-10 SMG	
C772	87-012-286-080	CAP, U 0.01-25	
C782	87-012-286-080	CAP, U 0.01-25	
C783	87-012-286-080	CAP, U 0.01-25	
C784	87-012-286-080	CAP, U 0.01-25	
C785	87-012-286-080	CAP, U 0.01-25	
C786	87-012-286-080	CAP, U 0.01-25	
C788	87-012-167-080	C-CAP,U 5P-50 CH	
C789	87-A12-052-080	C-CAP,S 0.033-25 J B<EXCEPT HT>	
C789	87-016-118-080	C-CAP,U 0.022-25 J B GRM<HT>	
C790	87-A12-052-080	C-CAP,S 0.033-25 J B<EXCEPT HT>	
C790	87-016-118-080	C-CAP,U 0.022-25 J B GRM<HT>	
C791	87-010-831-080	C-CAP,U,0.1-16F	
C792	87-012-286-080	CAP, U 0.01-25	
C793	87-A12-090-080	CAP,E 4.7-50 SMG	
C795	87-012-286-080	CAP, U 0.01-25	
C796	87-012-286-080	CAP, U 0.01-25	

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C797	87-A12-091-080	CAP,E 10-50 SMG	
C798	87-012-286-080	CAP, U 0.01-25	
C799	87-010-265-080	CAP,E 33-16 M 11L SME	
C800	87-010-829-080	CAP, U 0.047-16	
C801	87-A12-089-080	CAP,E 3.3-50 SMG	
C802	87-010-829-080	CAP, U 0.047-16	
C803	87-010-787-080	CAP, U 0.022-25 K B	
C804	87-A12-062-080	CAP,E 100-10 SMG	
C807	87-A12-086-080	CAP,E 0.47-50 SMG	
C808	87-A12-087-080	CAP,E 1-50 SMG	
C809	87-A12-087-080	CAP,E 1-50 SMG	
C810	87-010-831-080	C-CAP,U,0.1-16F	
C814	87-012-286-080	CAP, U 0.01-25	
C815	87-A12-086-080	CAP,E 0.47-50 SMG	
C816	87-A12-086-080	CAP,E 0.47-50 SMG	
C821	87-A12-091-080	CAP,E 10-50 SMG	
C823	87-010-177-080	C-CAP,S 820P-50 J SL C2012	
C824	87-A12-090-080	CAP,E 4.7-50 SMG	
C825	87-010-596-080	C-CAP,S 0.047-16 K R C2012	
C842	87-012-286-080	CAP, U 0.01-25	
C844	87-012-286-080	CAP, U 0.01-25	
C850	87-A12-071-080	CAP,E 47-25 SMG	
C851	87-012-286-080	CAP, U 0.01-25	
C852	87-012-286-080	CAP, U 0.01-25	
C853	87-012-286-080	CAP, U 0.01-25	
C858	87-010-831-080	C-CAP,U 0.1-16 Z F	
C901	87-018-145-080	CAP,TC-U 6.8P-50 CH	
C904	87-012-286-080	C-CAP,U 0.01-25	
C905	87-012-286-080	C-CAP,U 0.01-25	
C907	87-012-286-080	C-CAP,U 0.01-25	
C908	87-A10-915-080	C-CAP,U 1000P-25 J CH	
C909	87-012-286-080	C-CAP,U 0.01-25	
C910	87-012-174-080	C-CAP,U 12P-50 J CH	
C911	87-012-170-080	C-CAP,U 8P-50 CH	
C912	87-012-195-080	C-CAP,U 100P-50CH	
C913	87-012-286-080	C-CAP,U 0.01-25	
C914	87-012-166-080	C-CAP,U 4P-50 C CH	
C915	87-012-174-080	C-CAP,U 12P-50 J CH	
C916	87-012-180-080	C-CAP,U 8P-50 CH	
C917	87-012-186-080	C-CAP,U 39P-50 CH	
C918	87-A10-039-080	C-CAP,U 470P-50 J CH	
C921	87-012-195-080	C-CAP,U 100P-50CH	
C922	87-012-174-080	C-CAP,U 12P-50 J CH CHJ	
C940	87-012-286-080	C-CAP,U 0.01-25 K B<HT>	
C941	87-012-180-080	C-CAP,U 22P-50 J CH<HT>	
C943	87-012-286-080	C-CAP,U 0.01-25 K B<HT>	
C945	87-012-286-080	C-CAP,U 0.01-25 K B<HT>	
C946	87-010-971-080	C-CAP,S 4700P-50 J B<HT>	
C947	87-012-286-080	C-CAP,U 0.01-25 K B<HT>	
C948	87-012-166-080	C-CAP,U 4P-50 C CH<HT>	
C952	87-012-286-080	C-CAP,U 0.01-25 K B<HT>	
C953	87-012-286-080	C-CAP,U 0.01-25 K B<HT>	
C954	87-A12-086-080	CAP,E 0.47-50 SMG<HT>	
C956	87-A12-062-080	CAP,E 100-10 SMG<HT>	
C959	87-010-831-080	C-CAP,U,0.1-16F	
C960	87-010-831-080	C-CAP,U,0.1-16F<EXCEPT HT>	
C961	87-012-167-080	C-CAP,U 5P-50 CH<EXCEPT HT>	
C962	87-A12-087-080	CAP,E 1-50 SMG<HT>	
C963	87-015-785-080	CHIP CAPACITOR, 0.1-25 Z F	
C964	87-010-854-080	C-CAP,S 560P-50 J CH<HT>	
C971	87-A12-067-080	CAP,E 330-16 SMG	
C972	87-A12-090-080	CAP,E 4.7-50 SMG	
C973	87-012-286-080	CAP, U 0.01-25	
C974	87-012-286-080	CAP, U 0.01-25	
C979	87-012-195-080	C-CAP,U 100P-50CH	
C981	87-A12-071-080	CAP,E 47-25 SMG	
C982	87-010-831-080	C-CAP,U,0.1-16F	
C983	87-012-286-080	CAP, U 0.01-25 K B	
C984	87-012-286-080	CAP, U 0.01-25 K B	
C987	87-012-286-080	CAP, U 0.01-25 K B	

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C989	87-012-286-080		C-CAP, U 0.01-25 K B<HT>	TC941	87-A91-773-080		TRIMMER,PLY 20P 6.8X5.4 CDYL<HT>
C991	87-012-176-080		C-CAP,U 15P-50 J CH	TC943	87-A91-774-080		TRIMMER,PLY 30P 6.8X5.4 CDYL<HT>
C992	87-012-176-080		C-CAP,U 15P-50 J CH	TH101	87-A91-042-080		C-THMS,100K 55001
C993	87-012-274-080		CHIP CAP,U 1000P-50B	TH102	87-A91-042-080		C-THMS,100K 55001
C995	87-012-274-080		CHIP CAP,U 1000P-50B	WH1	87-A90-510-010		HLDR,WIRE 2.5-9P
C997	87-010-831-080		C-CAP,U,0.1-16F	X992	87-A70-306-010		VIB,XTAL 4.500MHZ CSA-309ST
C998	87-A12-071-080		CAP,E 47-25 SMG				
C999	87-A11-155-080		CAP,TC U 0.01-16 Z F				
CF831	87-008-261-010		FILTER, SFE10.7MA5-A				
CF832	87-008-261-010		FILTER, SFE10.7MA5-A				
CN301	87-A60-620-010		CONN,3P V 2MM JMT	C108	87-010-785-080		C-CAP,U 0.015-25 K B GRM
CN351	87-A60-625-010		CONN,8P V 2MM JMT	C153	87-010-787-080		C-CAP,U 0.022-25 K B
CN601	87-099-719-010		CONN,30P TYK-B(X)	C154	87-A12-078-040		CAP,E 47-35 SMG
CN602	87-A60-131-010		CONN,6P V FE	C155	87-010-404-040		CAP,E 4.7-50 M 11L SME
CNA001	8A-NF8-653-010		CONN ASSY,9P TID-A(480)	C156	87-010-404-040		CAP,E 4.7-50 M 11L SME
D902	87-A40-128-080		C-VARI-CAP,HVU202A	C301	87-012-278-080		C-CAP,U 2200P-50 K B
D903	87-A40-128-080		C-VARI-CAP,HVU202A	C351	87-A10-353-080		C-CAP,U 0.22-10 K B
D951	87-A40-618-080		VARI-CAP,SVC 348(S/T)<HT>	C361	87-012-274-080		C-CAP,U 1000P-50 K B
FC602	88-906-251-110		FF-CABLE, 6P 1.25	C362	87-012-274-080		C-CAP,U 1000P-50 K B
J201	87-A60-488-010		JACK,DIA 6.3BLK ST W/SW	C371	87-012-274-080		C-CAP,U 1000P-50 K B
J203	87-A60-238-010		TERMINAL,SP 4P (MSC)	C372	87-012-274-080		C-CAP,U 1000P-50 K B
J602	87-A60-881-010		JACK,PIN 2P MSP 242V05 PBSN	C401	87-012-282-080		C-CAP,U 4700P-50 K B<HS,HT>
J831	87-A60-202-010		TERMINAL,ANT 4P MSP-154V-02	C402	87-010-112-040		CAP,E 100-16 M 11L SME<HS,HT>
J940	87-A60-633-010		CONN,2P H 2.55MM JMT<HT>	C403	87-010-545-040		CAP,E 0.22-50 M 11L SME<HS,HT>
JR123	87-012-195-080		C-CAP,U 100P-50 J CH<HS,HT>	C404	87-012-191-080		C-CAP,U 68P-50 J CH<HS,HT>
JR123	87-A10-596-080		C-CAP,S 100P-100 J CH<HA,LH>	C405	87-010-545-040		CAP,E 0.22-50 M 11L SME<HS,HT>
JR124	87-012-195-080		C-CAP,U 100P-50 J CH<HS,HT>	C406	87-010-545-040		CAP,E 0.22-50 M 11L SME<HS,HT>
JR124	87-A10-596-080		C-CAP,S 100P-100 J CH<HA,LH>	C407	87-010-405-040		CAP,E 10-50 M 11L SME<HS,HT>
L201	87-A50-610-010		COIL,1UH K(MDEC)	C408	87-012-195-080		C-CAP,U 100P-50 J CH<HS,HT>
L202	87-A50-610-010		COIL,1UH K(MDEC)	C409	87-010-265-040		CAP,E 33-16 M 11L SME<HS,HT>
L451	87-007-342-010		COIL,OSC 85KHZ BIAS	C410	87-010-829-080		C-CAP,U 0.047-16 Z F<HS,HT>
L801	87-A50-608-010		COIL,FM DET-N(TOK)	C413	87-A10-978-080		C-CAP,U 820P-25 J CH<HS,HT>
L802	87-A91-552-010		FLTR,CFMT-450AL(TOK)<HT>	C601	87-010-382-040		CAP,E 22-25 SME
L802	87-A91-551-010		FLTR,PCFJZH-450 L(TOK)<EXCEPT HT>	C801	87-A10-804-080		C-CAP,S 0.1-25 J B
L811	87-005-847-080		COIL,2.2UH CECS	C802	87-010-316-080		C-CAP,S 33P-50 J CH GRM
L832	87-005-847-080		COIL,2.2UH CECS	C803	87-012-280-080		C-CAP,U 3300P-50 K B
L902	88-ZA1-602-110		COIL,FM-RF-U2 2G	C804	87-A10-592-080		C-CAP,S 0.015-50 J B
L903	88-ZA1-601-010		COIL,FM-RF-U1 2G	C805	87-012-184-080		C-CAP,U 33P-50 J CH
L904	87-005-847-080		COIL,2.2UH(CECS)	C806	87-012-274-080		C-CAP,U 1000P-50 K B
L905	88-ZA1-624-010		COIL,FM IFT 7-6.2 (COILS)	C807	87-012-274-080		C-CAP,U 1000P-50 K B
L906	88-ZA1-603-010		COIL,FM-OSC-U 2G	C808	87-010-544-040		CAP,E 0.1-50 M 11L SME
L941	87-A50-022-010		COIL,ANT SW (COI) 7.96MHZ<HT>	C809	87-010-404-040		CAP,E 4.7-50 SME
L942	87-A50-550-010		COIL,OSC SW-2N (COI)<HT>	C810	87-012-286-080		C-CAP,U 0.01-25 K B
L943	87-A50-522-080		COIL,1MH K CEC<HT>	C811	87-A12-052-080		C-CAP,S 0.033-25 J B
L944	87-A50-159-010		COIL,10MH K C2B<HT>	C901	87-012-195-080		C-CAP,U 100P-50 CH
L951	8A-NF8-667-010		COIL,AM PACK 4(TOK)<EXCEPT HT>	C902	87-012-195-080		C-CAP,U 100P-50 CH
L952	87-A50-430-010		COIL,ANT MW(3BSW)<HT>	C903	87-012-195-080		C-CAP,U 100P-50 CH
L953	87-A50-431-010		COIL,OSC MW(3BSW)<HT>	C904	87-012-195-080		C-CAP,U 100P-50 CH
R129	87-A00-258-080		RES,M/F 0.22-1W J<HS,HT>	C905	87-012-195-080		C-CAP,U 100P-50 CH
R129	87-A00-262-080		RES,M/F 0.15-2W J<HA,LH>	C906	87-012-195-080		C-CAP,U 100P-50 CH
R130	87-A00-258-080		RES,M/F 0.22-1W J<HS,HT>	C907	87-012-195-080		C-CAP,U 100P-50 CH
R130	87-A00-262-080		RES,M/F 0.15-2W J<HA,LH>	C908	87-012-195-080		C-CAP,U 100P-50 CH
R131	87-A00-258-080		RES,M/F 0.22-1W J<HS,HT>	C909	87-012-195-080		C-CAP,U 100P-50 CH
R131	87-A00-262-080		RES,M/F 0.15-2W J<HA,LH>	C910	87-012-195-080		C-CAP,U 100P-50 CH
R132	87-A00-258-080		RES,M/F 0.22-1W J<HS,HT>	C911	87-012-274-080		C-CAP,U 1000P-50 K B
R132	87-A00-262-080		RES,M/F 0.15-2W J<HA,LH>	C912	87-010-831-080		C-CAP,U 0.1-16 Z F
R243	87-A00-999-050		RES,180-1/2W J BLT2J<HS,HT>	C913	87-A10-189-040		CAP,E 220-10 M 5L
R243	87-A01-001-050		RES,220-1/2W J BLT2J<HA,LH>	C914	87-A10-189-040		CAP,E 220-10 M 5L
R244	87-A00-999-050		RES,180-1/2W J BLT2J<HS,HT>	C915	87-010-831-080		C-CAP,U 0.1-16 Z F
R244	87-A01-001-050		RES,220-1/2W J BLT2J<HA,LH>	C916	87-010-831-080		C-CAP,U 0.1-16 Z F
R245	87-A00-999-050		RES,180-1/2W J BLT2J<HS,HT>	C917	87-010-831-080		C-CAP,U 0.1-16 Z F
R245	87-A01-002-050		RES,270-1/2W J BLT2J<HA,LH>	C919	87-012-286-080		C-CAP,U 0.01-25 K B
R246	87-A00-999-050		RES,180-1/2W J BLT2J<HS,HT>	C920	87-010-829-080		C-CAP,U 0.047-16 Z F
R246	87-A01-002-050		RES,270-1/2W J BLT2J<HA,LH>	C921	87-012-282-080		C-CAP,U 4700P-50 K B
R790	87-012-286-080		C-CAP, U 0.01-25 K B	C951	87-012-172-080		C-CAP,U 10P-50 D CH
R991	87-012-195-080		C-CAP,U 100P-50CH	C952	87-010-854-080		C-CAP,S 560P-50 J CH
R993	87-012-195-080		C-CAP,U 100P-50CH	C953	87-012-349-080		C-CAP,S 1000P-50 J CH GRM
R995	87-012-195-080		C-CAP,U 100P-50CH	C961	87-010-378-040		CAP,E 10-16 M 11L SME
SFR451	87-024-435-080		SFR,33K H RH063MC	C962	87-012-336-080		C-CAP,U 330P-50 J SL
SFR452	87-024-435-080		SFR,33K H RH063MC	C963	87-010-831-080		C-CAP,U 0.1-16 Z F

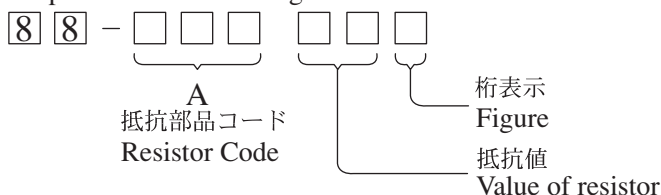


REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
CN104	87-A60-057-010		CONN,11P V 9604S-11C	S347	87-A90-164-080		SW,TACT SKQNAB (N)
CN701	87-099-720-010		CONN,30P BLK TYK-B(P)	S348	87-A90-164-080		SW,TACT SKQNAB (N)
CN731	87-099-196-010		CONN,8P V BLK 6216	S349	87-A90-164-080		SW,TACT SKQNAB (N)
EMI401	87-008-372-080		FLTR,EMI BL01 RN1<HS,HT>	S361	87-A92-041-010		SW,RTRY XRE012103PVB30F-24
FC104	88-911-101-110		FF-CABLE,11P 1.25	S371	87-A92-040-010		SW,RTRY XRE012103PVB30F-12
FC731	88-908-301-110		FF-CABLE,8P 1.25	VR401	86-NFA-607-010		VR,RTRY 10K15AX1 1 V XV0121PVN<HS,HT>
FL901	8B-NF9-605-010		FL,BJ814GNK				
J401	87-A61-243-010		JACK,6.3 BLK MONO W/SW V MSC<HS,HT>				
L951	87-A50-655-010		COIL,CLK 4.19M (TOKO)7KLY	PT C.B			
LED209	87-A41-062-040		LED,LTL-1CHEE-012A RED				
S321	87-A90-164-080		SW,TACT SKQNAB (N)	△ CN1	87-A61-110-010		CONN,9P V TID-A
S322	87-A90-164-080		SW,TACT SKQNAB (N)	△ PT1	8B-NF9-613-010		PT, BNF-9 HR<HS,HT>
S323	87-A90-164-080		SW,TACT SKQNAB (N)	△ PT1	8B-NF9-615-010		PT, BNF-9 LH<HA,LH>
S324	87-A90-164-080		SW,TACT SKQNAB (N)	△ PT2	8B-MA6-673-010		PT,SUB BMA H (VRK)
S325	87-A90-164-080		SW,TACT SKQNAB (N)	△ RY1	87-A91-339-010		RELAY,AC DC12V G5PA-2
S326	87-A90-164-080		SW,TACT SKQNAB (N)	△ S1	87-A90-165-010		SW,SL 1-2-3 SWS2301<EXCEPT HS>
S327	87-A90-095-080		SW,TACT EVQ11G04M	△ T1	87-A60-317-010		TERMINAL, 1P MSC
S328	87-A90-095-080		SW,TACT EVQ11G04M	△ T2	87-A60-317-010		TERMINAL, 1P MSC
S329	87-A90-095-080		SW,TACT EVQ11G04M				
S330	87-A90-164-080		SW,TACT SKQNAB (N)	DECK C.B			
S331	87-A90-164-080		SW,TACT SKQNAB (N)	CN1	87-099-753-010		CONN,11P 9604
S332	87-A90-164-080		SW,TACT SKQNAB (N)	SFR1	87-024-581-010		SFR,3.3K DIA 6H
S333	87-A90-164-080		SW,TACT SKQNAB (N)	SOL1	82-ZM1-618-410		SOL ASSY, 27
S334	87-A90-164-080		SW,TACT SKQNAB (N)	SOL2	82-ZM1-618-410		SOL ASSY, 27
S341	87-A90-164-080		SW,TACT SKQNAB (N)	SW1	87-A90-673-010		SW,MICRO ESE11SH1C
S342	87-A90-164-080		SW,TACT SKQNAB (N)	SW2	87-A91-500-010		SW,MICRO MPU11470MLB0
S343	87-A90-164-080		SW,TACT SKQNAB (N)	SW3	87-A91-500-010		SW,MICRO MPU11470MLB0
S344	87-A90-164-080		SW,TACT SKQNAB (N)	SW4	87-A91-500-010		SW,MICRO MPU11470MLB0
S345	87-A90-164-080		SW,TACT SKQNAB (N)	SW5	87-A90-673-010		SW,MICRO ESE11SH1C
S346	87-A90-164-080		SW,TACT SKQNAB (N)				


# ○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

## Chip Resistor Part Coding



## チップ抵抗 Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

# TRANSISTOR ILLUSTRATION



E C B

CDA1585BC  
KTC3198GR



E C B

2SA1980G  
2SA1981Y  
CC5551  
STC250



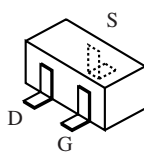
B C E

CSB1370EF

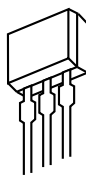


E C B

CSC4115BC

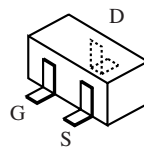


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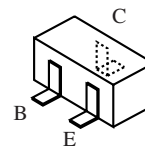


S D G

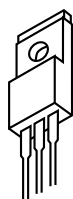
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2SK2541



2SK2158



2SA1235F    KRA102S  
2SC2714(O)    KRA107S  
2SC3052F    KRC102S-RTK  
CMBT5401    KRC104S  
CMBT5551    KRC107S  
CSD1306E    RT1P141C  
DTC114YKA



B C E

2SB1686  
2SD2642

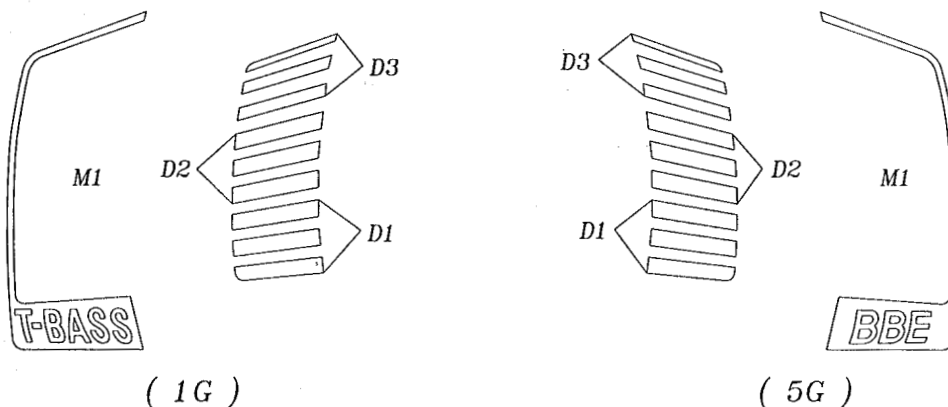
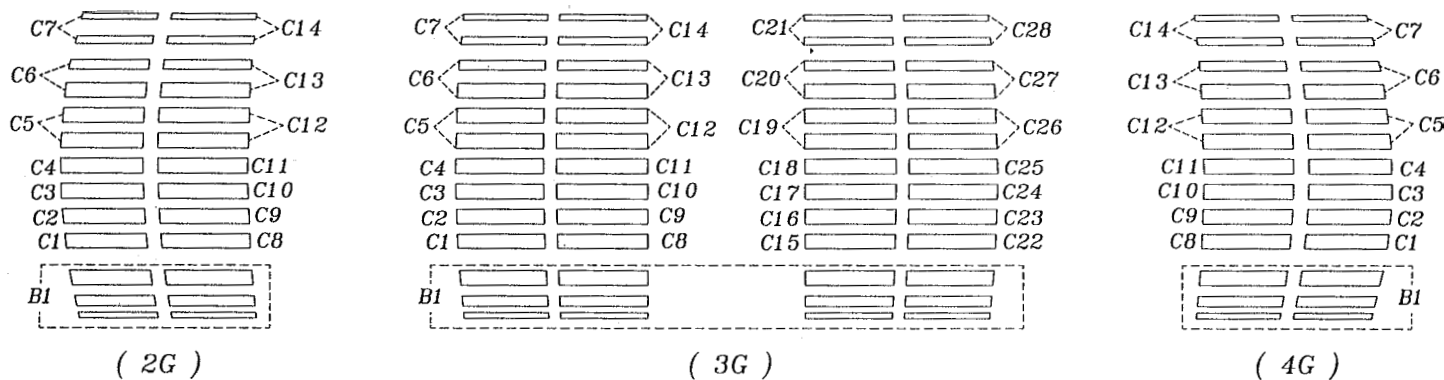
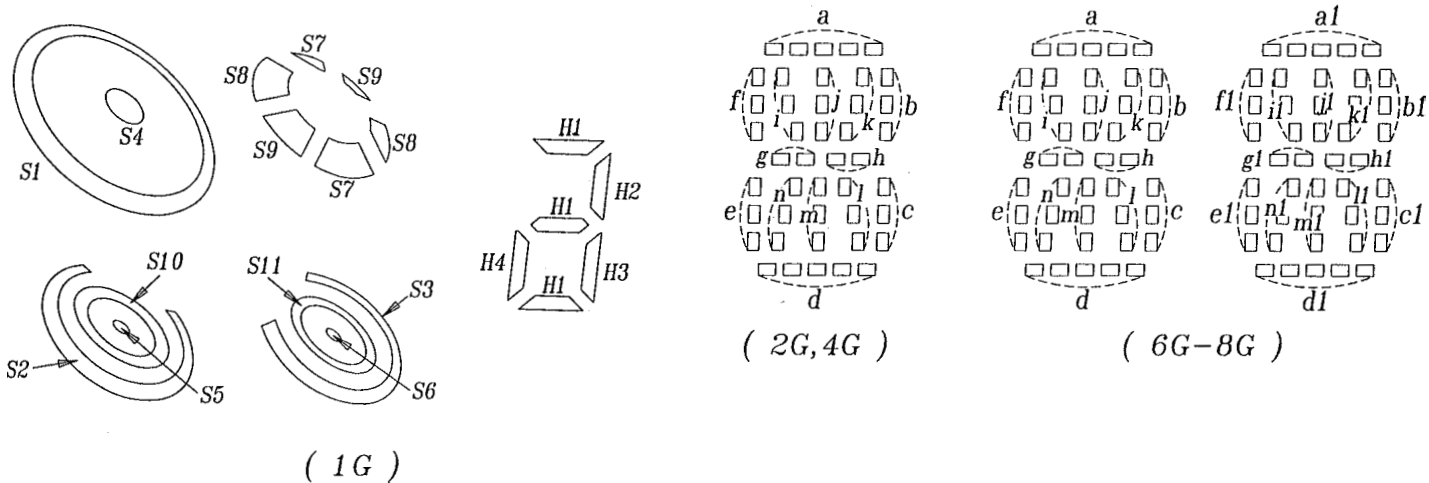
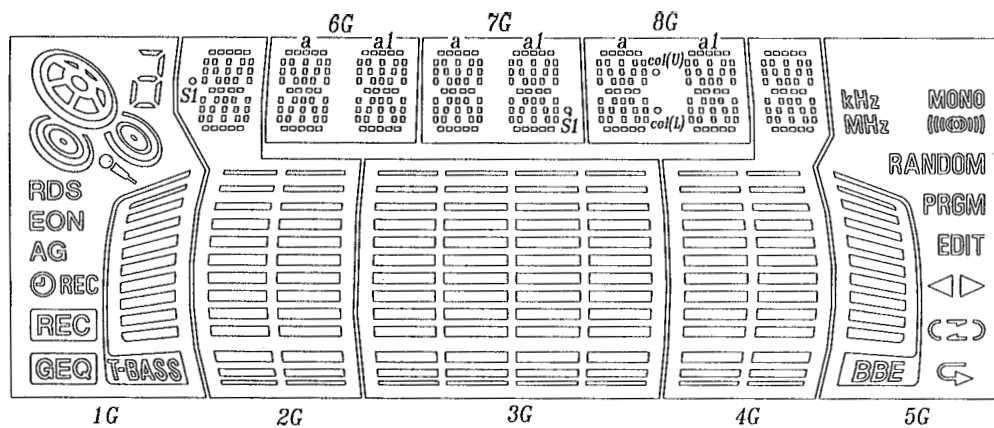


G D S

2SK2937

# FL (BJ814GNK) GRID ASSIGNMENT AND ANODE CONNECTION

## GRID ASSIGNMENT

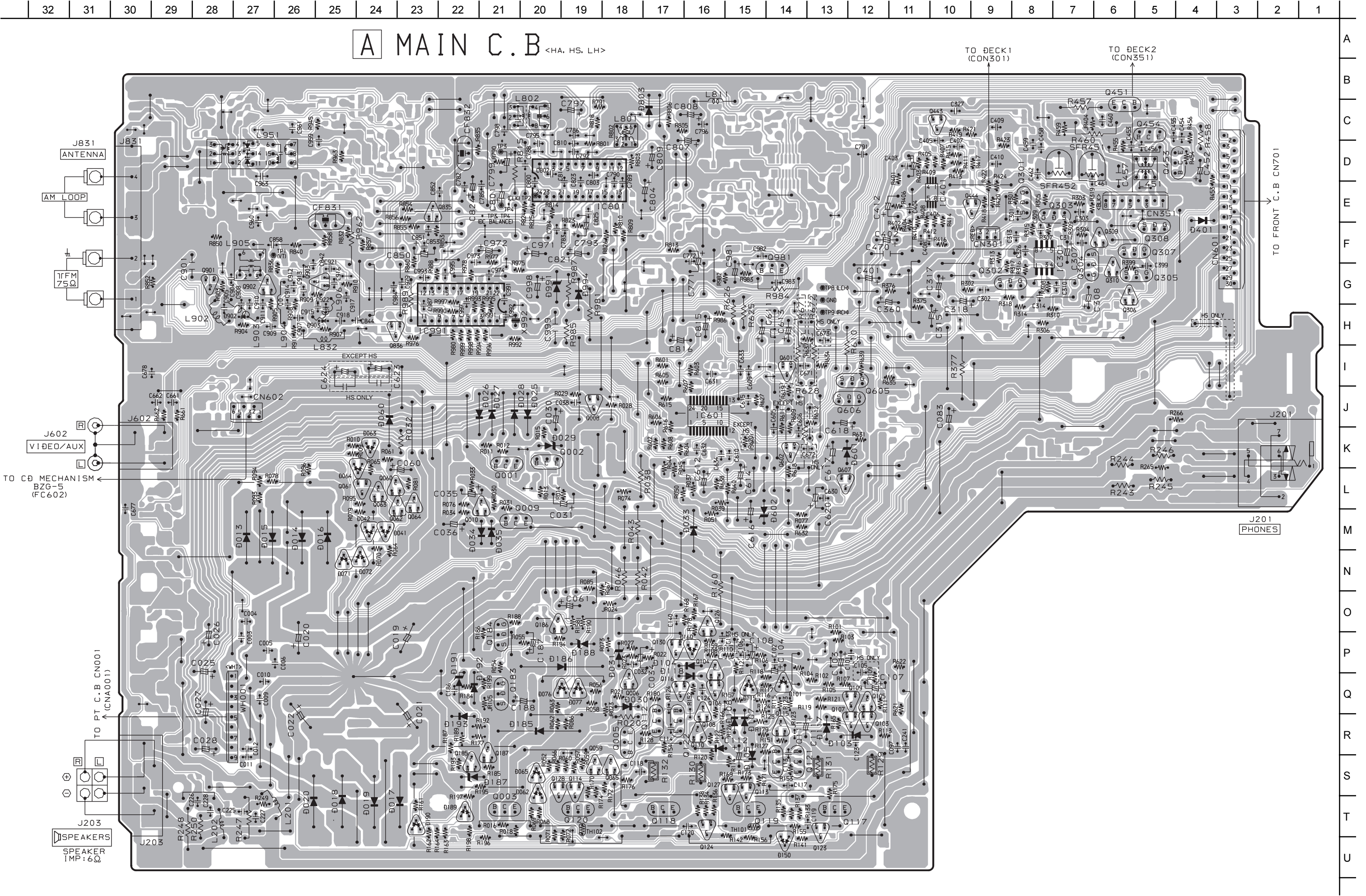


# ANODE CONNECTION

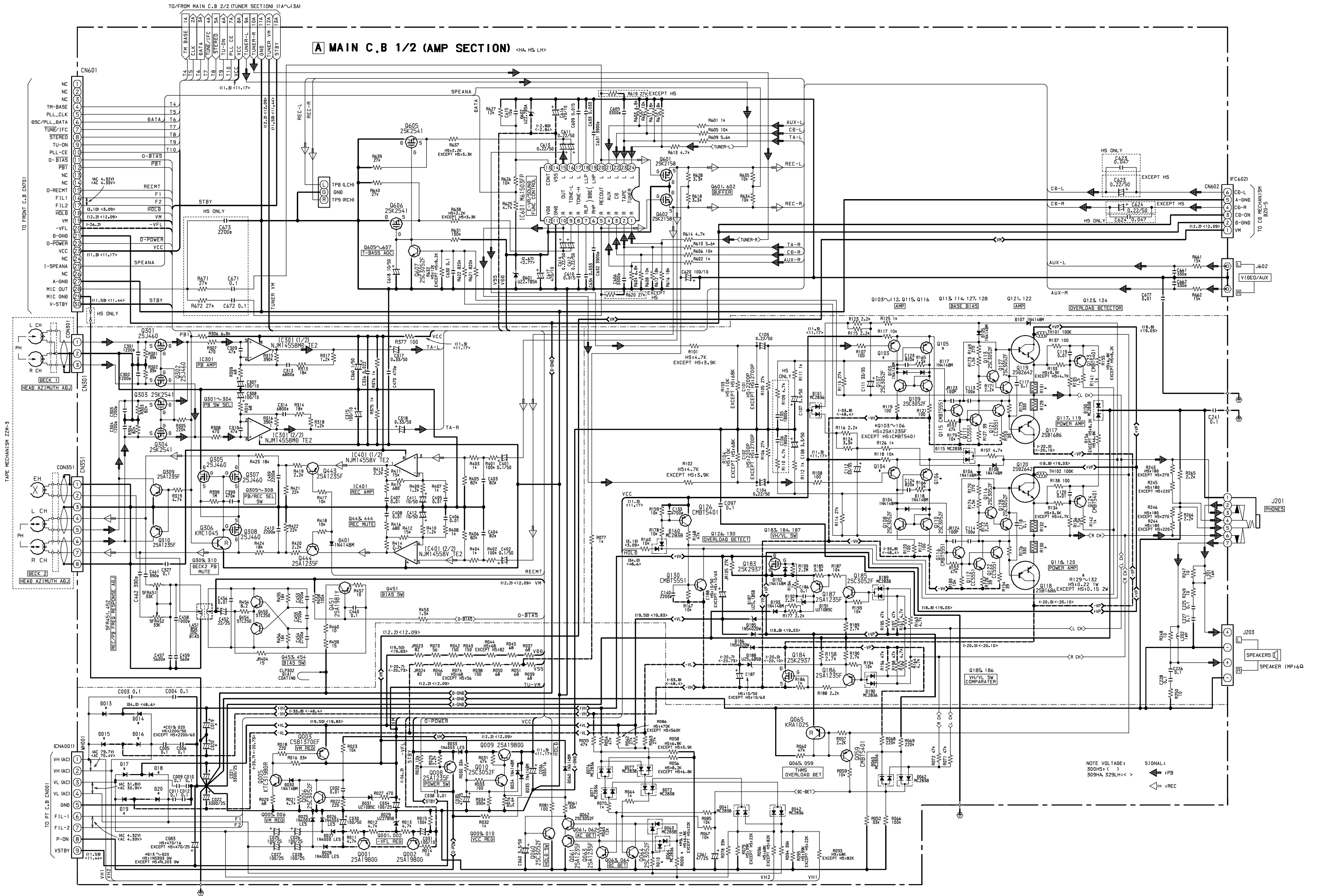
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P1		C1	C1	C1	—	a	a	a
P2	M1	C2	C2	C2	M1	i	i	i
P3	D1	C3	C3	C3	D1	j	j	j
P4	D2	C4	C4	C4	D2	k	k	k
P5	D3	C5	C5	C5	D3	b	b	b
P6	AG	C6	C6	C6		f	f	f
P7	EON	C7	C7	C7		h	h	h
P8	RDS	C8	C8	C8		g	g	g
P9		C9	C9	C9		c	c	c
P10	REC	C10	C10	C10		e	e	e
P11		C11	C11	C11	—	n	n	n
P12		C12	C12	C12	EDIT	m	m	m
P13	S1	C13	C13	C13	PRGM	l	l	l
P14	S2	C14	C14	C14	RANDOM	d	d	d
P15	S3	B1	C15	B1	MONO	a1	a1	a1

	1G	2G	3G	4G	5G	6G	7G	8G
P16	S4	a	C16	a		i1	i1	i1
P17	S5	i	C17	i	—	j1	j1	j1
P18	S6	j	C18	j	MHz	k1	k1	k1
P19	S7	k	C19	k	kHz	b1	b1	b1
P20	S8	b	C20	b		f1	f1	f1
P21	S9	f	C21	f	—	h1	h1	h1
P22	S10	h	C22	h	—	g1	g1	g1
P23	S11	g	C23	g	—	c1	c1	c1
P24	H1	c	C24	c	—	e1	e1	e1
P25	H2	e	C25	e	—	n1	n1	n1
P26	H3	n	C26	n	—	m1	m1	m1
P27	H4	m	C27	m	—	l1	l1	l1
P28	—	l	C28	l	—	d1	d1	d1
P29	—	d	B1	d	—	—	S1	col(U)
P30	—	S1	—	—	—	—	—	col(L)

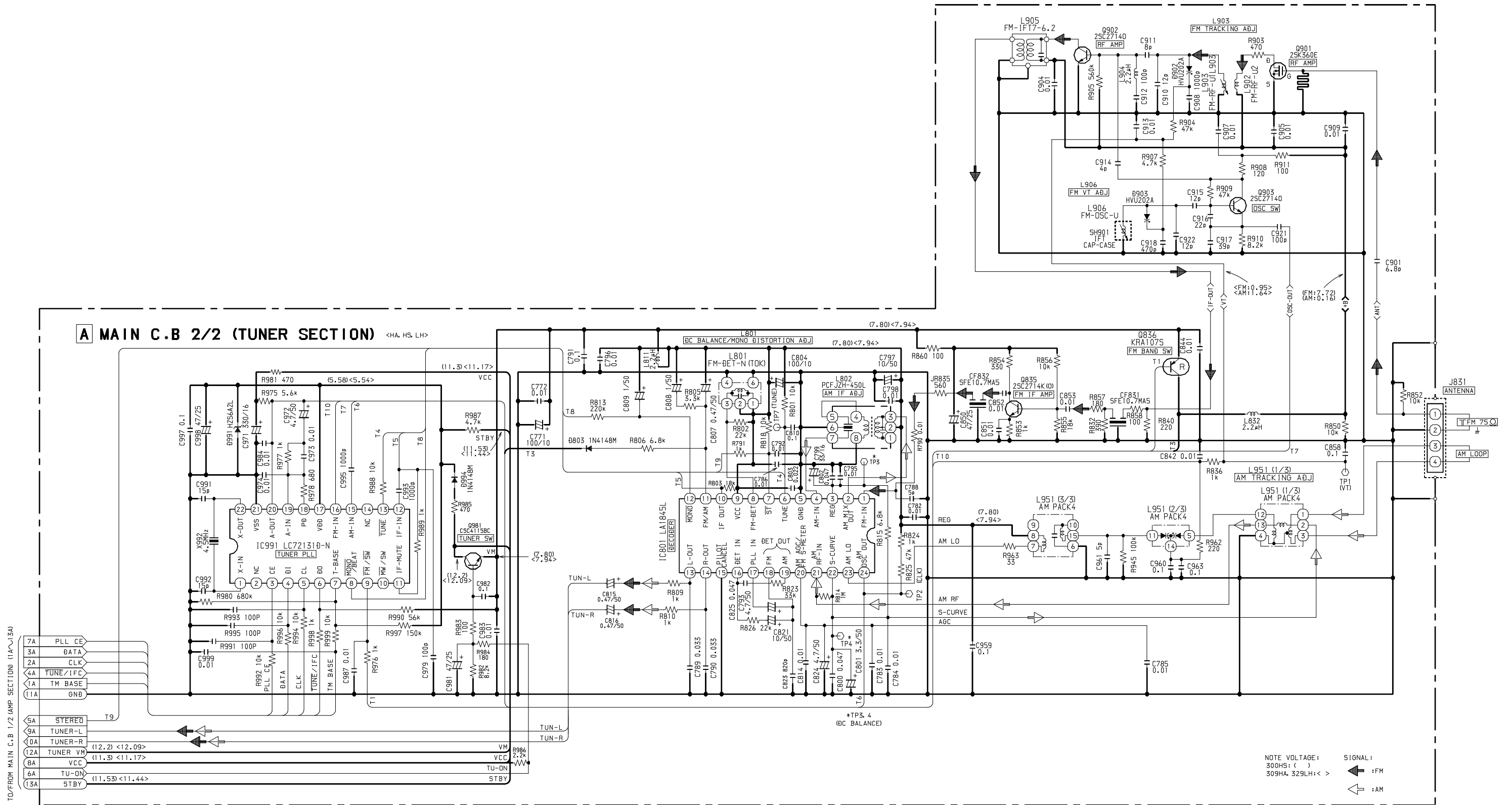




SCHEMATIC DIAGRAM – 1 (MAIN 1 / 2 :AMP) <HS, HA, LH>

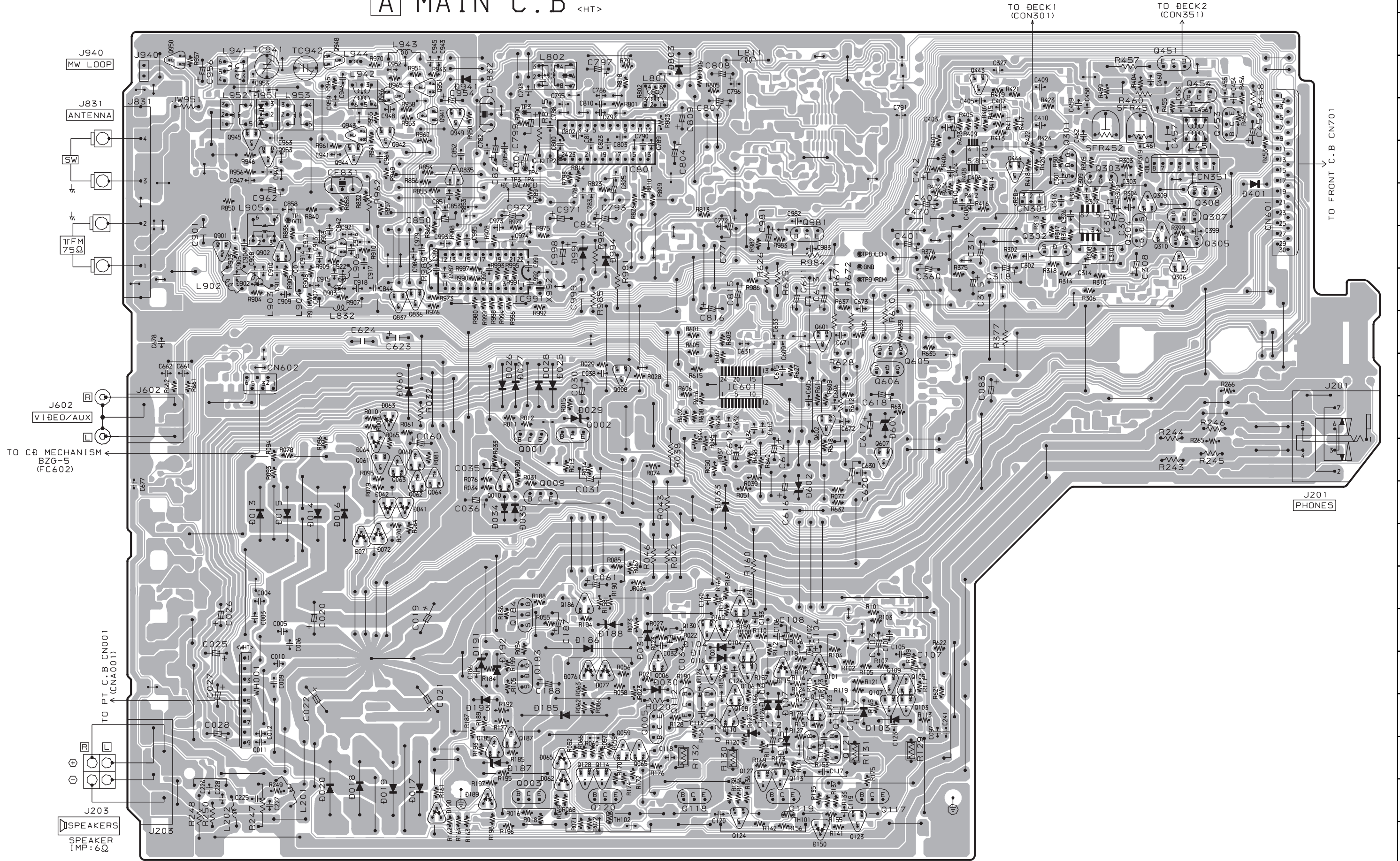


SCHEMATIC DIAGRAM-2 (MAIN 2/2:TUNER) <HS, HA, LH>



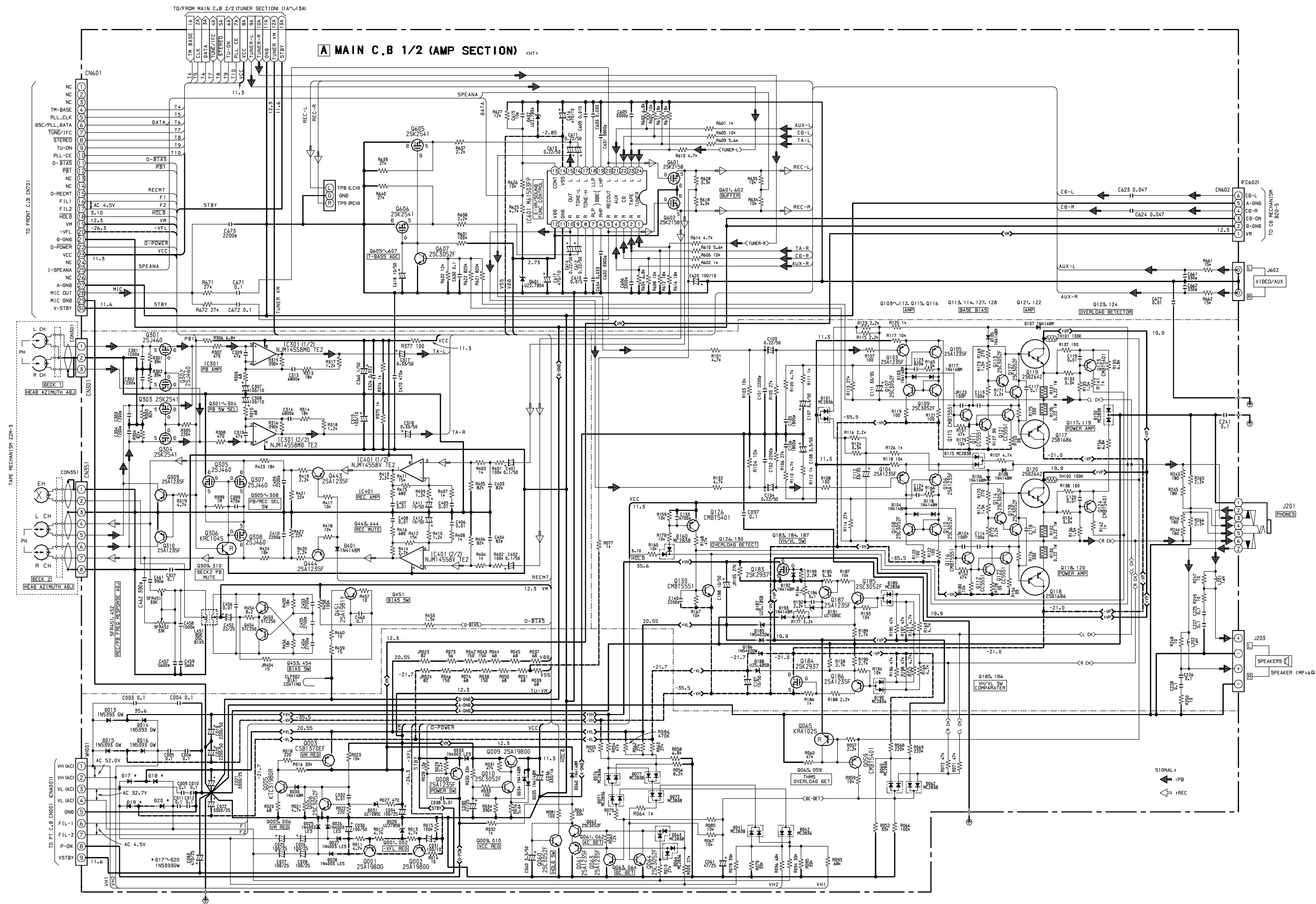


A MAIN C.B. <HT>

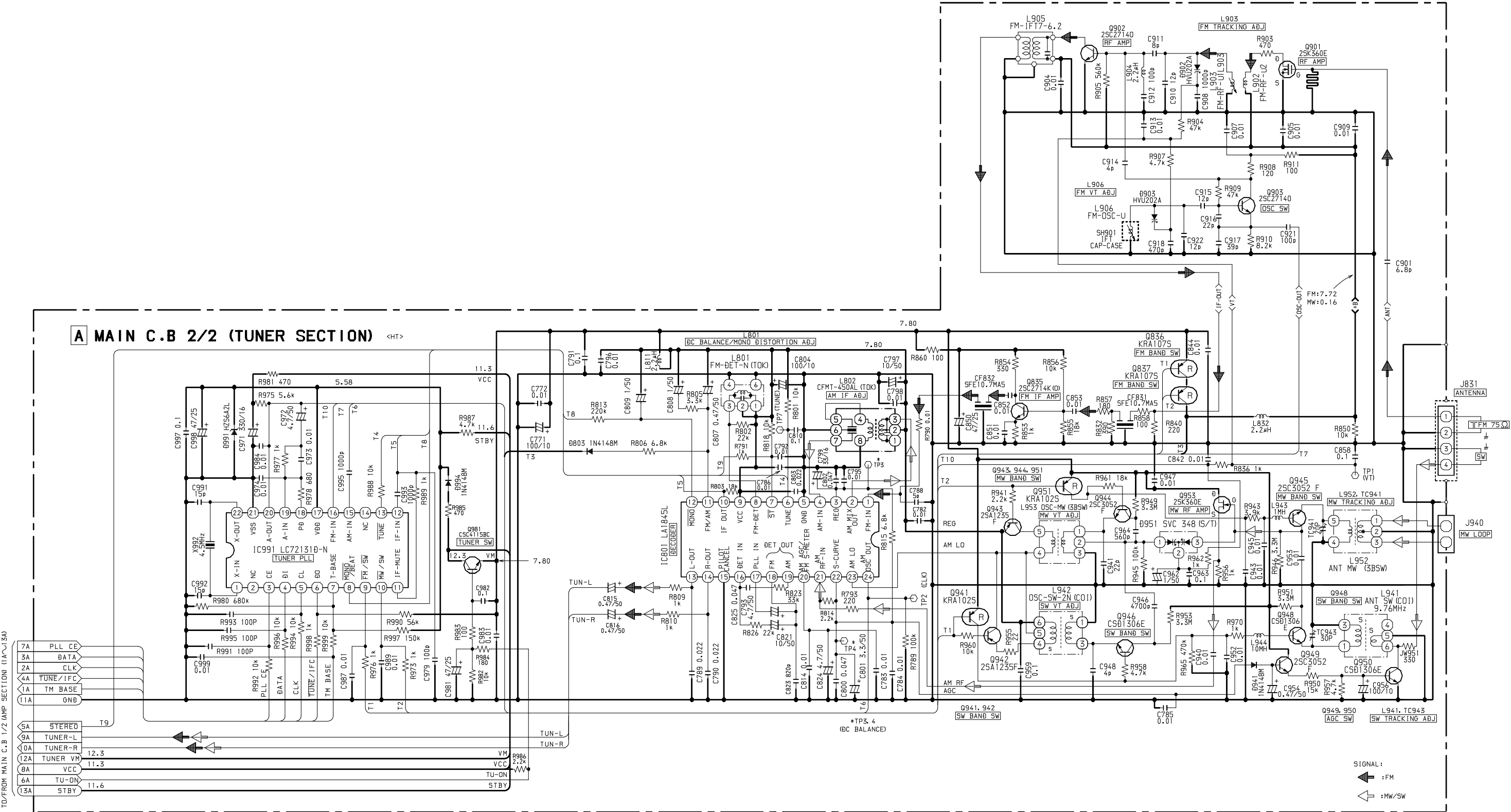


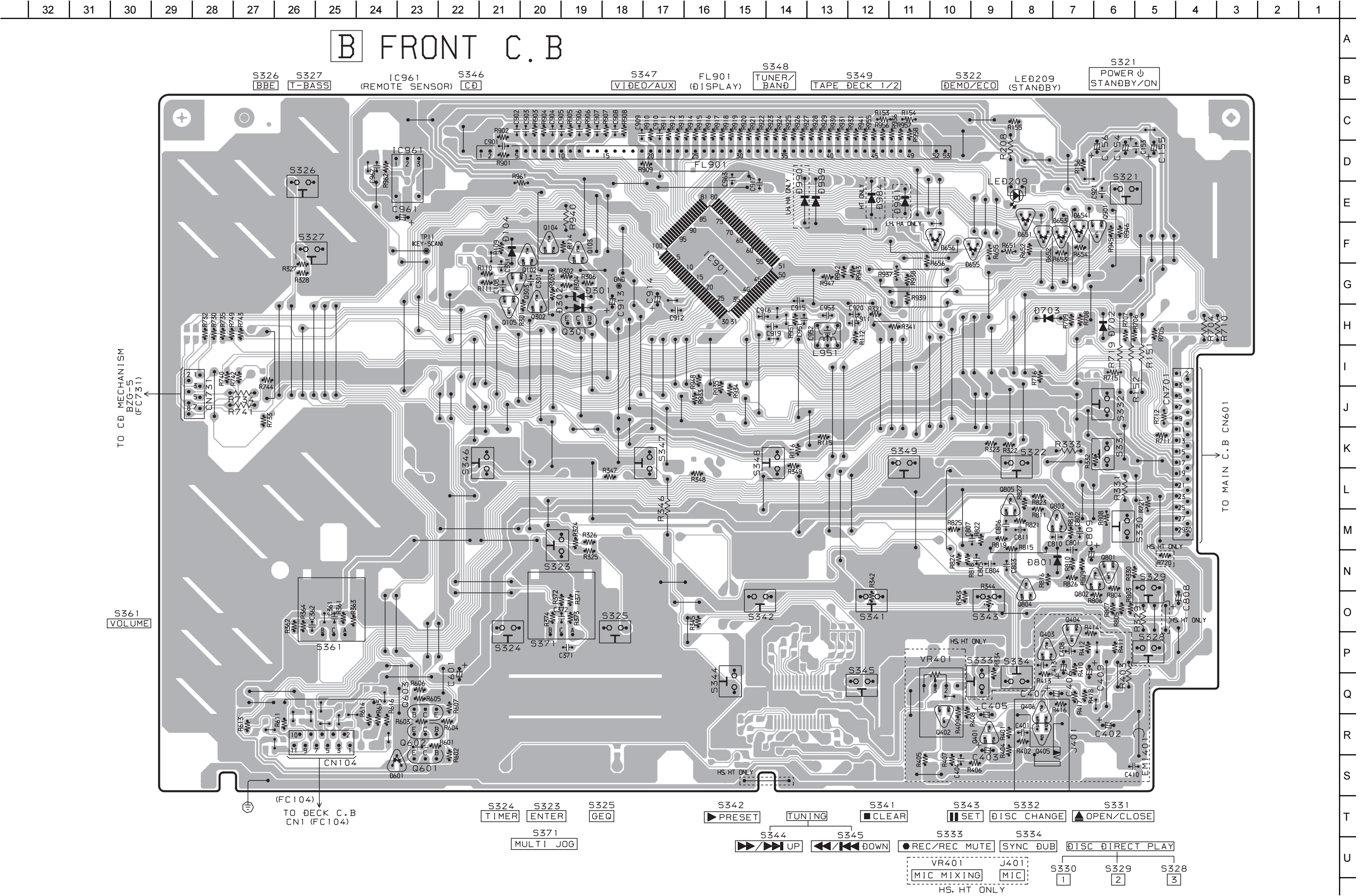


SCHEMATIC DIAGRAM – 3 (MAIN 1/2 :AMP) <HT>

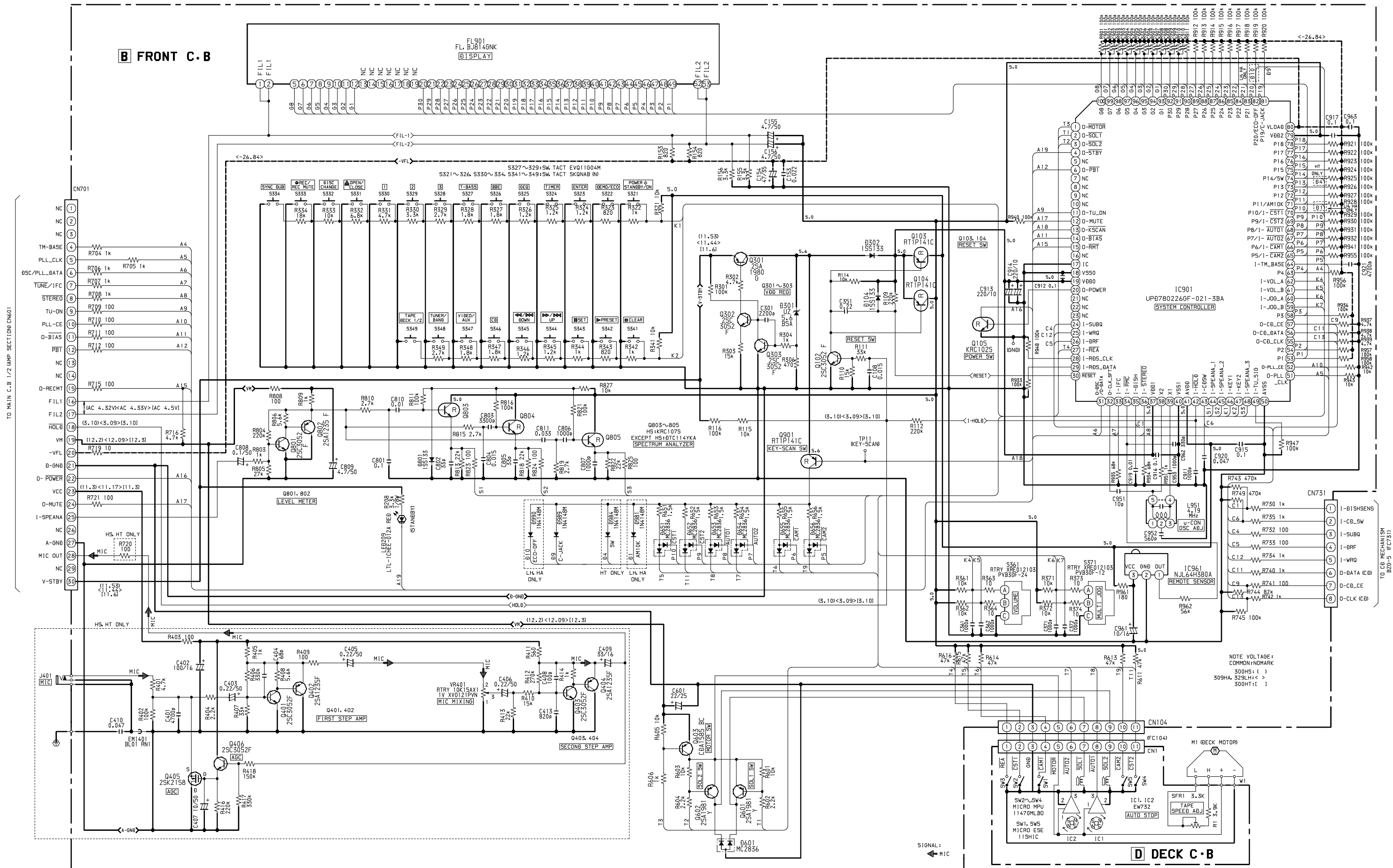


SCHEMATIC DIAGRAM-4 (MAIN 2/2:TUNER) <HT>

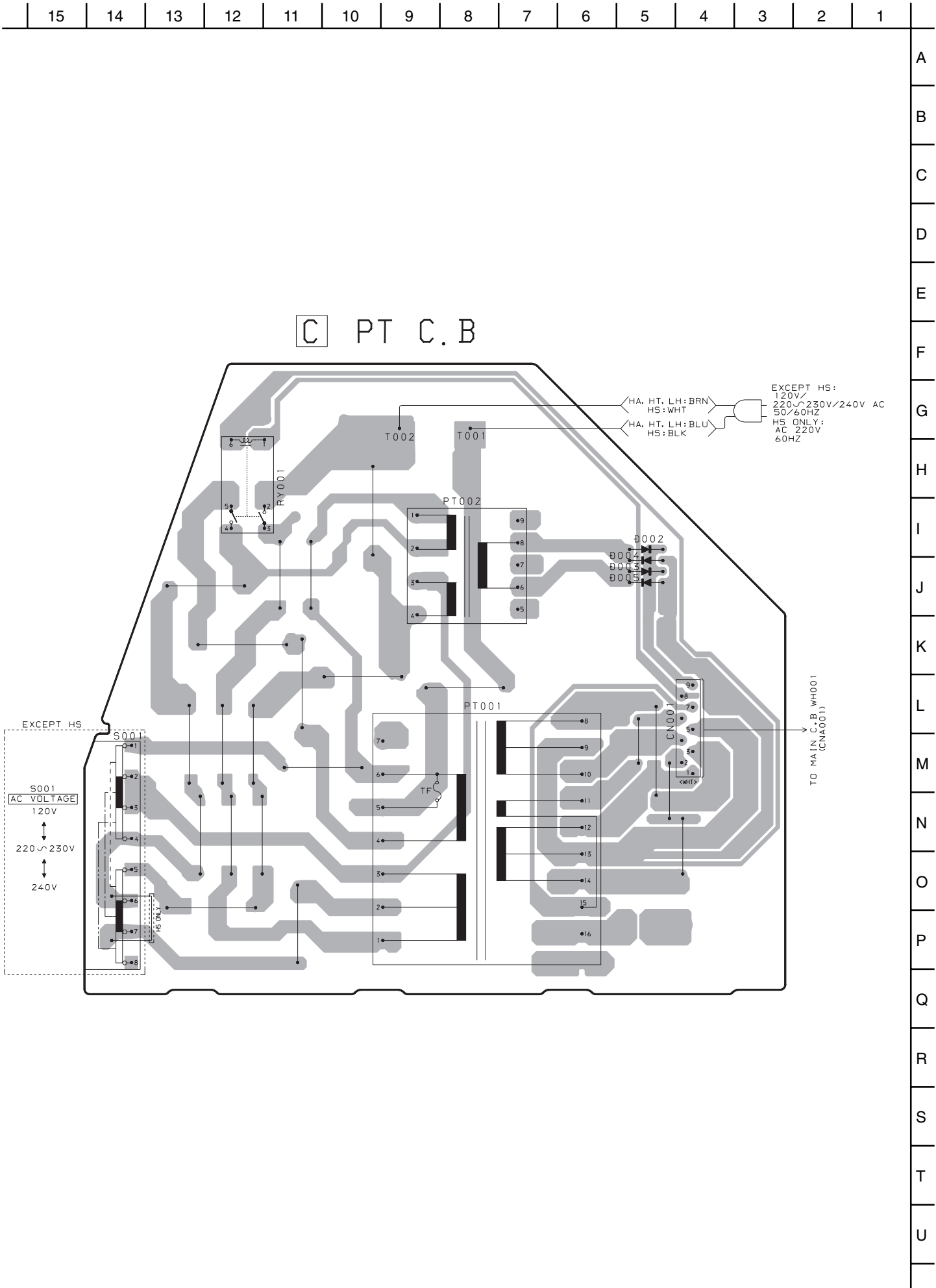




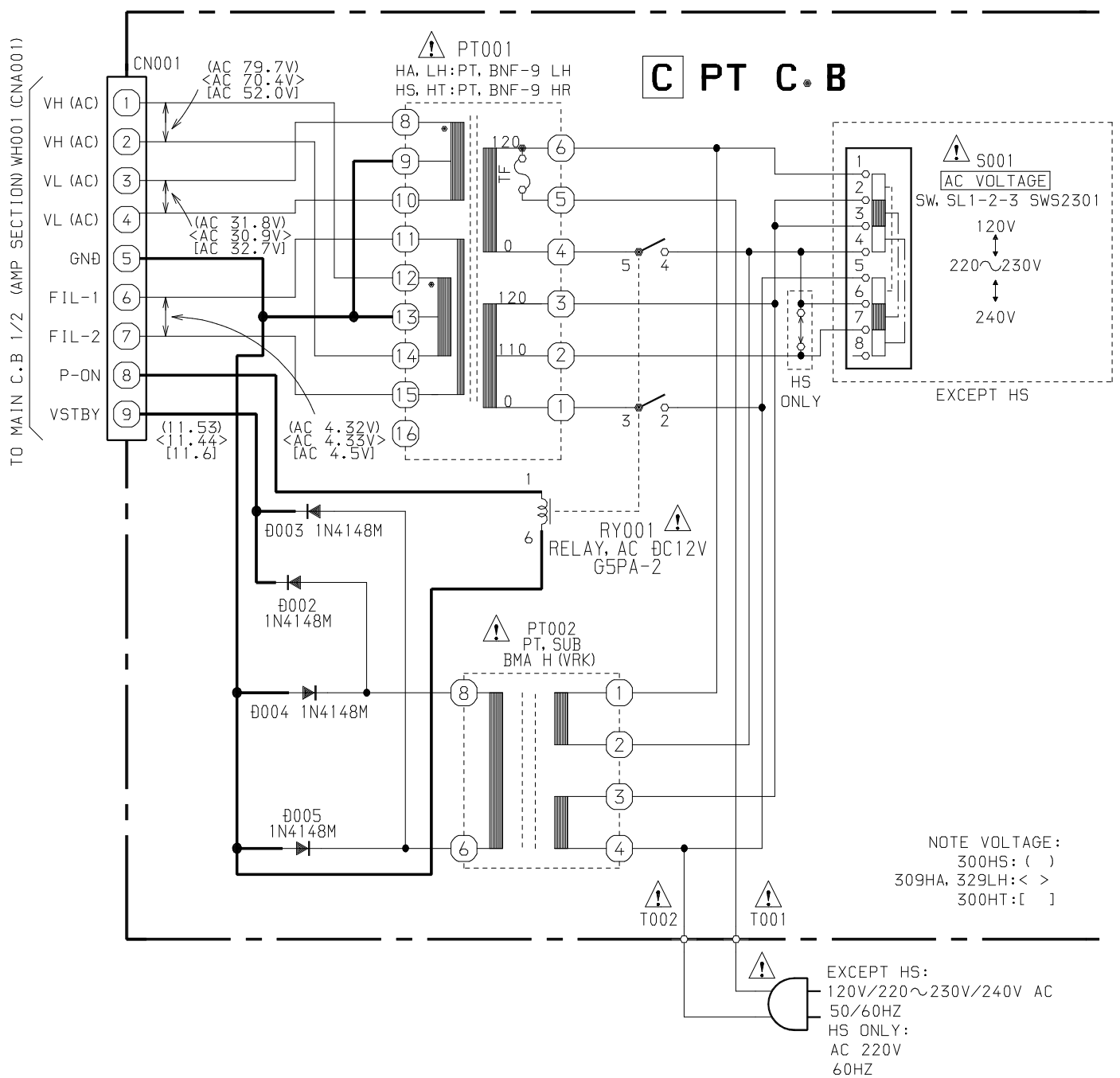
SCHEMATIC DIAGRAM-5 (FRONT)



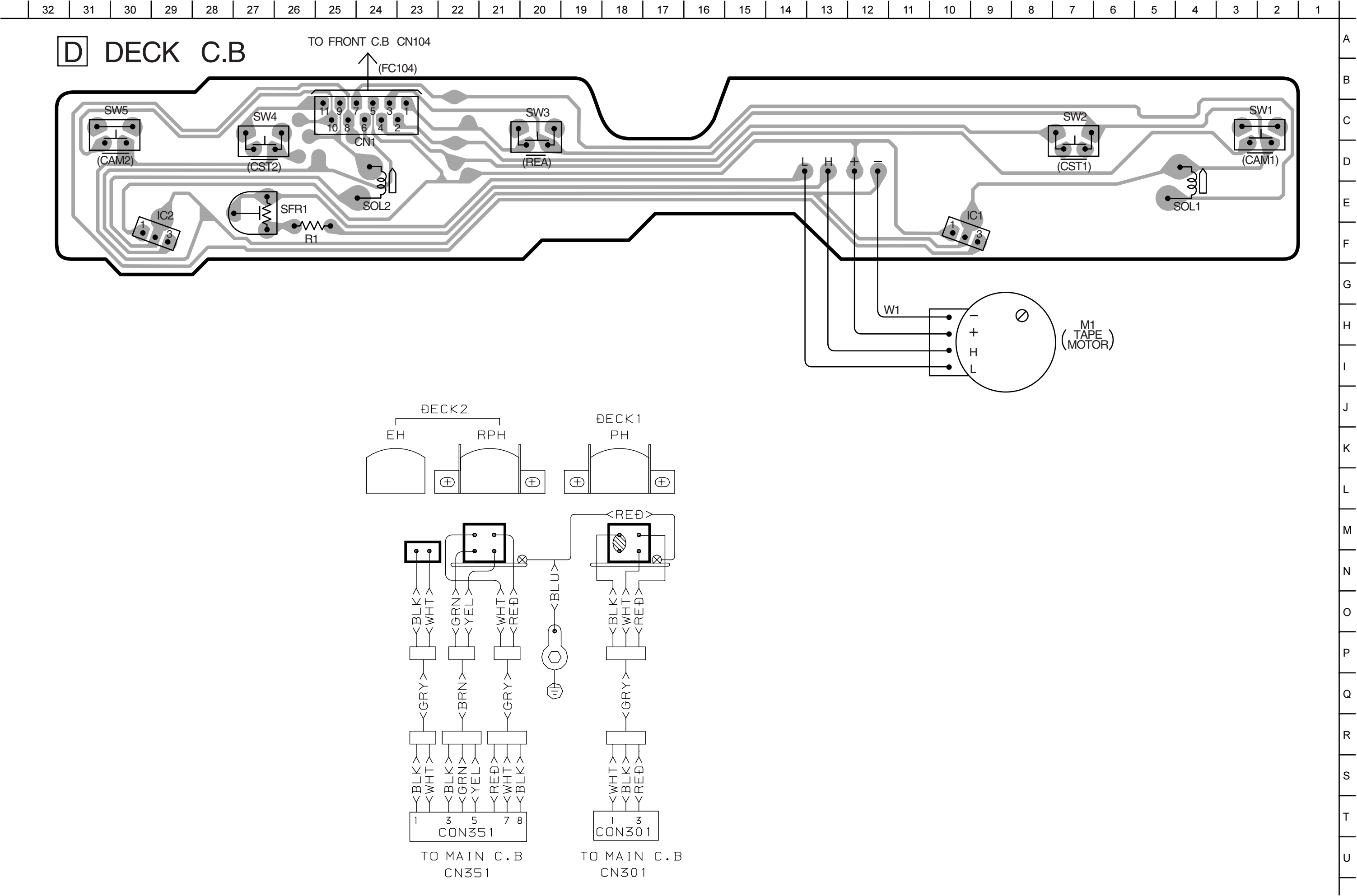
WIRING – 4 (PT)



# SCHEMATIC DIAGRAM – 6 (PT)

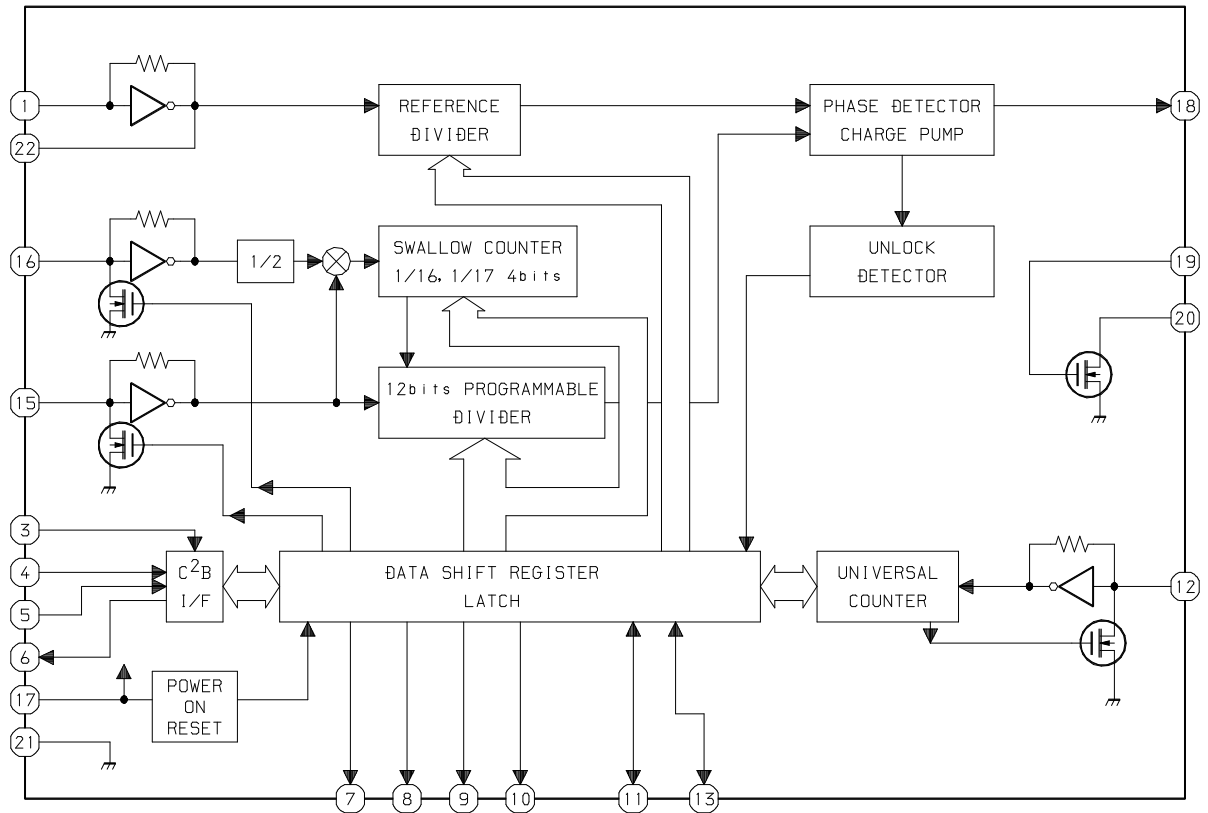




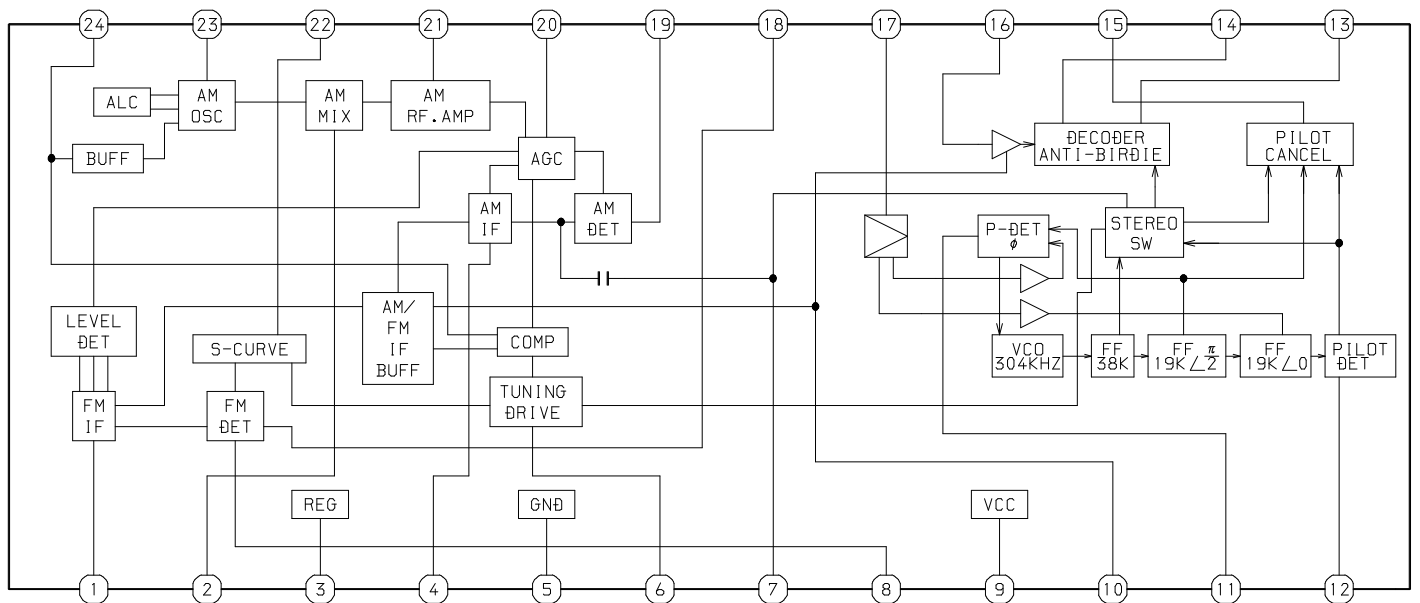


## IC BLOCK DIAGRAM

IC, LC72131D-N

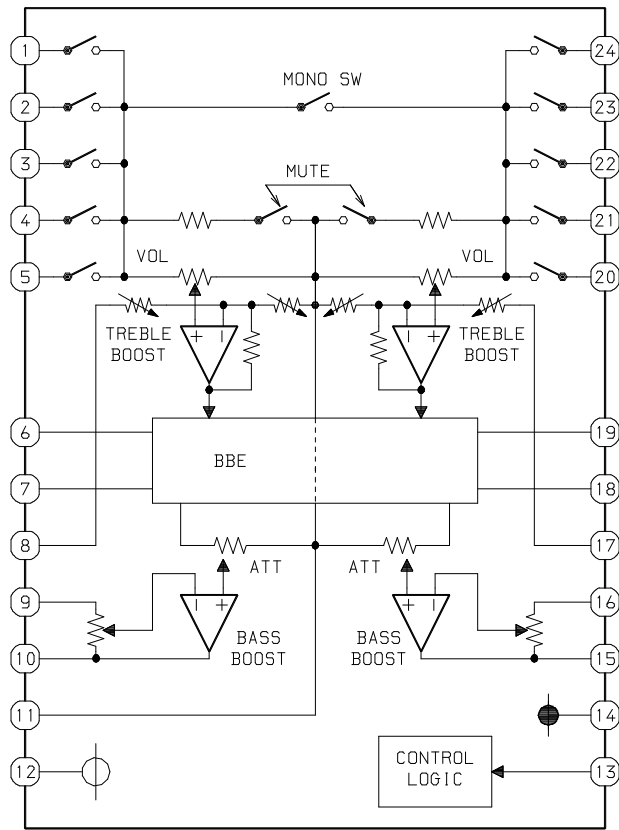


IC, LA1845L





IC, M61503FP



# IC DESCRIPTION

IC,  $\mu$ PD780226GF-021-3BA

Pin No.	Pin Name	I/O	Description
1	O-MOTOR	O	DECK MOTOR $\overline{\text{ON}}$ /OFF output.
2	O-SOL1	O	DECK1 solenoid $\overline{\text{ON}}$ /OFF output.
3	O-SOL2	O	DECK2 solenoid $\overline{\text{ON}}$ /OFF output.
4	O-STBY	O	STANDBY LED (Echo mode) output ( $\overline{\text{ON}}$ /OFF).
5	NC	–	Not connected.
6	O-PB1	O	DECK1 playback switch output ( $\overline{\text{ON}}$ /OFF).
7	NC	–	Not connected.
8	NC	–	Not connected.
9	NC	–	Not connected.
10	NC	–	Not connected.
11	O-TU_ON	O	TUNER ON/OFF switch output.
12	O-MUTE	O	System MUTE ON/OFF output.
13	O-KSCAN	O	Switch SCAN timing output.
14	O-BIAS	O	DECK2 BIAS $\overline{\text{ON}}$ /OFF output.
15	O-RMT	O	DECK2 REC MUTE $\overline{\text{ON}}$ /OFF output.
16	NC	–	Not connected.
17	IC	–	Internal connection (connected to GND).
18	VSS0	–	GND.
19	VDD0	–	Power supply.
20	O-POWER	O	System power supply ON/OFF output.
21 ~ 23	NC	–	Not connected.
24	I-SUBQ	I	CD SUBQ data input.
25	I-WRQ	I	CD interrupt signal input.
26	I-DRF	I	CD focus ON detect data input.
27	I-REA	I	DECK2 sideA record OK switch data input.
28	I-RDS_CLK	I	Tuner RDS clock input (connected to GND through a resistor).
29	I-RDS_DATA	I	Tuner RDS data input (connected to GND through a resistor).
30	RESET	–	System reset input ( $\overline{\text{ON}}$ /OFF).
31	O-DSC/O-DATA	O	Function IC/Tuner IC, DATA output.
32	O-CLK_SFT	O	MICON clock shift output.
33	I-IFC	I	Tune IF count serial data input.
34	I-RMC	I	System remote control signal input.
35	I-DISH	I	CD turntable photo sensor input A/D converter input.
36	I-STEREO	I	Tuner STEREO detect input.
37	VDD1	–	Power supply.
38	X2	–	4.19MHz oscillator circuit.
39	X1	–	4.19MHz oscillator circuit.
40	VSS1	–	GND.
41	AVDD	–	Power supply.
42	I-HOLD	I	Power failure detected input.
43	I-CDSW	I	CD mecha switch A/D converter input.
44	I-SPEANA_1	I	A/D input for spectrum analyser level display.
45	I-SPEANA_2		

Pin No.	Pin Name	I/O	Description
46	I-KEY1	I	Key A/D input 1.
47	I-KEY2	I	Key A/D input 2.
48	I-SPEANA_3	I	A/D input for spectrum analyser level display.
49	I-TU_SIG	I	Tuner signal input (connected to GND through a resistor).
50	AVSS	–	GND.
51	O-PLL_CLK	O	PLL IC clock enable output.
52	O-PLL_CE	O	PLL IC chip enable output.
53, 54	P1, P2	O	FL segment P1, P2 output.
55	O-CD_CLK	O	CD clock output.
56	O-CD_DATA	O	CD data output.
57	O-CD_CE	O	CD chip enable output.
58	P3	O	FL segment P3 output.
59	I-JOG_B	I	Dial jog rotary encoder input B.
60	I-JOG_A	I	Dial jog rotary encoder input A.
61	I-VOL_B	I	Volume rotary encoder input B.
62	I-VOL_A	I	Volume rotary encoder input A.
63	P4	O	FL segment P4 output.
64	I-TM_BASE	I	Base input for clock.
65	P5/I-CAM2	O/I	FL segment P5 output / DECK2 CAM switch data input.
66	P6/I-CAM1	O/I	FL segment P6 output / DECK1 CAM switch data input.
67	P7/I-AUTO2	O/I	FL segment P7 output / DECK2 AUTO STOP switch data input.
68	P8/I-AUTO1	O/I	FL segment P8 output / DECK1 AUTO STOP switch data input.
69	P9/I-CST2	O/I	FL segment P9 output / DECK2 cassette detect switch data input.
70	P10/I-CST1	O/I	FL segment P10 output / DECK1 cassette detect switch data input.
71	P11/AM10K	O/I	FL segment P11 output / AM10K input to diode <HA, LH only>.
72, 73	P12, P13	O	FL segment P12, P13 output.
74	P14/SW	O/I	FL segment P14 output / SW input to diode <HT only>.
75 ~ 78	P15 ~ P18	O	FL segment P15 ~ P18 output.
79	VDD2	–	Power supply.
80	VLOAD	–	Power supply for FL display.
81	P19/C-JACK	O/I	FL segment P19 output / C-JACK data input.
82	P20/ECO-OFF	O/I	FL segment P20 output / ECO-OFF data input <HA, LH only>.
83 ~ 92	P21 ~ P30	O	FL segment P21 ~ P30 output.
93 ~100	G1 ~ G8	O	FL grid G1 ~ G8 output.

## ADJUSTMENT <TUNER / FRONT / DECK>

### < TUNER SECTION >

1. Clock Frequency Check  
Settings : • Test point : TP2(CLK)  
Method : Set to AM 1710kHz(HA, LH), AM 1602kHz(HS), MW 1602kHz(HT) and check that the test point is 2160kHz  $\pm$  45Hz(HA, LH), 2052kHz  $\pm$  45Hz(HS, HT).
2. AM VT Check <HA, HS, LH>  
Settings : • Test point : TP1(VT)  
Method : Set to AM 1710kHz(HA, LH), AM 1602kHz(HS) and check that the test point is less than 8.5V(HA, LH), less than 8.0V(HS).  
Then set to AM 530kHz(HA, LH), AM 531kHz(HS) and check that the test point is more than 0.6V.
3. MW VT Adjustment <HT>  
Settings : • Test point : TP1(VT)  
• Adjustment location : L953  
Method : Set to MW 1602kHz and adjust L953 so that the test point becomes 8.5V  $\pm$  0.05V. Then set to MW 531kHz and check that the test point is more than 0.3V.
4. SW VT Adjustment <HT>  
Settings : • Test point : TP1(VT)  
• Adjustment location : L942  
Method : Set to SW 17.9MHz and adjust L942 so that the test point becomes 8.0V  $\pm$  0.05V. Then set to SW 5.73MHz and check that the test point is more than 0.3V.
5. FM VT Adjustment  
Settings : • Test point : TP1(VT)  
• Adjustment location : L906  
Method : Set to FM 87.5MHz, 108.0MHz and adjust L906 so that the test point becomes more than 0.4V (87.5MHz) and equals to 7.0V  $\pm$  0.1V (108.0MHz).
6. AM Tracking Adjustment <HA, HS, LH>  
Settings : • Test point : TP8(Lch), TP9(Rch)  
• Adjustment location : L951(1/3)  
Method : Set to AM 1000kHz(HA, LH), AM 999kHz(HS) and adjust L951(1/3) to MAX.
7. MW Tracking Adjustment <HT>  
Settings : • Test point : TP8(Lch), TP9(Rch)  
• Adjustment location :  
L952 .....603kHz  
TC941 .....1404kHz  
Method : Set up TC941 to center before adjustment.  
Adjust L952 so that the level at 603kHz becomes maximum. Then adjust TC941 so that the level at 1404kHz becomes maximum.
8. SW Tracking Adjustment <HT>  
Settings : • Test point : TP8(Lch), TP9(Rch)  
• Adjustment location :  
L941 ..... 5.73MHz  
TC943 ..... 17.90MHz  
Method : Set up TC943 to center before adjustment.  
Adjust L941 so that the level at 5.73MHz becomes maximum. Then adjust TC943 so that the level at 17.90MHz becomes maximum.
9. FM Tracking Adjustment  
Settings : • Test point : TP8(Lch), TP9(Rch)  
• Adjustment location : L903  
Method : Set to FM 87.5MHz and adjust L903 so that the test point becomes maximum.
10. AM IF Adjustment  
Settings : • Test point : TP8(Lch), TP9(Rch)  
• Adjustment location :  
L802 ..... 450kHz.
11. DC Balance / Mono Distortion Adjustment  
Settings : • Test point : TP3, TP4(DC Balance)  
TP8(Lch), TP9(Rch) (Distortion)  
• Adjustment location : L801  
• Input level : 60dB $\mu$ V  
Method : Set to FM 98.0MHz and adjust L801 so that the voltage between TP3 and TP4 becomes 0V  $\pm$  500mV.  
Next, check that the distortion is less than 1.2%.

### < FRONT SECTION >

12.  $\mu$ -CON OSC Adjustment  
Settings : • Test point : TP11(KEY-SCAN), (GND)  
• Adjustment location : L951  
Method : Connect a frequency counter across TP11(KEY-SCAN) and GND. Insert AC plug while pressing POWER key and TUNER function key. Then adjust L951 so that the test point becomes 112.88Hz  $\pm$  0.11Hz.  
To manual reset press POWER key while pressing CLEAR key.

## < DECK SECTION >

### 13. Tape Speed Adjustment (DECK 2)

Settings : • Test tape : TTA-100

- Test point : TP8(Lch), TP9(Rch)
- Adjustment location : SFR1

Method : Play back the test tape and adjust SFR1 so that the frequency counter reads  $3000\text{Hz} \pm 5\text{Hz}$ .

### 14. Head Azimuth Adjustment (DECK 1, DECK 2)

Settings : • Test tape : TTA-330

- Test point : TP8(Lch), TP9(Rch)
- Adjustment location : Azimuth adjustment screw

Method : Play back (FWD) the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on REV PLAY mode.

### 15. PB Frequency Response Check (DECK 1, DECK 2)

Settings : • Test tape : TTA-330

- Test point : TP8(Lch), TP9(Rch)

Method : Play back the 315Hz and 8kHz signals of the test tape and check that the output ratio of the 8kHz signal with respect to that of the 315Hz signal is within 5dB.

### 16. PB Sensitivity Check (DECK 1, DECK 2)

Settings : • Test tape : TTA-200

- Test point : TP8(Lch), TP9(Rch)

Method : Play back the test tape and check that the output level of the test point is  $110\text{mV} \pm 3\text{dB}$ .

### 17. REC/PB Frequency Response Adjustment (DECK 2)

Settings : • Test tape : TTA-602

- Test point : TP8(Lch), TP9(Rch)
- Input signal : 1kHz / 8kHz (LINE IN)
- Adjustment location : SFR451 (Lch)  
SFR452 (Rch)

Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes -20VU (10mV). Record and play back the 1kHz and 8kHz signals and adjust SFRs so that the output of the 8kHz signals becomes  $0\text{B} \pm 1\text{dB}$  with respect to that of the 1kHz signal.

### 18. REC/PB Sensitivity Check (DECK 2)

Settings : • Test tape : TTA-602

- Test point : TP8(Lch), TP9(Rch)
- Input signal : 1kHz (LINE IN)

Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at TP8, TP9 becomes 0VU (100mV). Record and play back the 1kHz signal and check that the output is  $-1\text{dB} \pm 3.5\text{dB}$ .

## CD TEST MODE

### 1. How to Start the CD Test Mode

While pressing the FUNCTION button, insert the AC plug to the power outlet.  
When the test mode is started, the message [CD TEST] is displayed.

### 2. How to Exit the CD Test Mode

Press the POWER button or disconnect the AC plug.

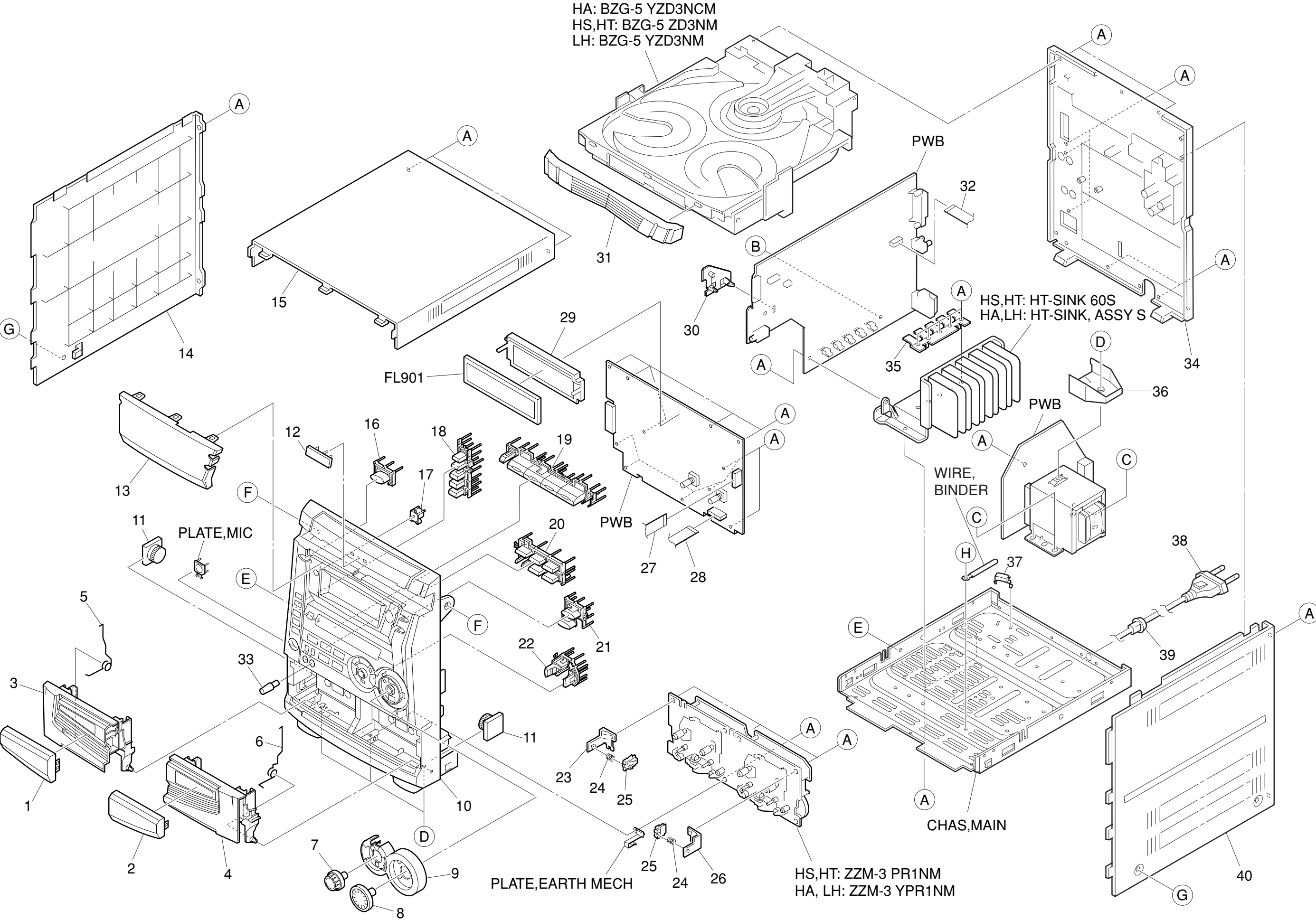
\* When any key other than PLAY is pressed during play mode, the machine exits the test mode.

### 3. Function Descriptions and Application of the CD Test Mode

No	Mode	Operation	Display	Function	Checking item
1	Start mode		All indicators light	<ul style="list-style-type: none"><li>All FL indicators light</li></ul>	<ul style="list-style-type: none"><li>FL check</li><li>Microprocessor check</li></ul>
2	Search mode	STOP button	READING	<ul style="list-style-type: none"><li>LD illuminates all the time</li><li>Focus search continuous operations *1</li><li>Spindle motor continuous kick</li></ul>	<ul style="list-style-type: none"><li>APC circuit check</li><li>Laser current measurement</li><li>Focus search waveform check</li><li>Focus error waveform check (DRF in the search mode is ignored)</li></ul>
3	Play mode	RESET button	Normal	<ul style="list-style-type: none"><li>Normal playback</li><li>If TOC cannot be read, focus search is continued</li></ul>	<ul style="list-style-type: none"><li>Each servo circuit is checked</li><li>DRF check</li></ul>
4	Traverse mode	PAUSE button	Normal	<ul style="list-style-type: none"><li>Tracking servo OFF/ON</li><li>Each time PAUSE button is pressed, the tracking servo repeats turning OFF/ON</li></ul>	<ul style="list-style-type: none"><li>Tracking balance check</li></ul>
5	Sled mode	UP button	CD TEST	<ul style="list-style-type: none"><li>Pickup moves to the inner circumference *2</li><li>At the same time, lens kicks to the inner circumference</li></ul>	<ul style="list-style-type: none"><li>Sled circuit check</li><li>Tracking circuit check</li><li>Mechanism operation check</li><li>Pickup check</li></ul>
		DOWN button	CD TEST	<ul style="list-style-type: none"><li>Pickup moves to the outer circumference *2</li><li>At the same time, lens kicks to the outer circumference</li></ul>	
6	Spindle mode	REC/REC MUTE button	All indicators light	<ul style="list-style-type: none"><li>The spindle motor rotates forward (rough speed) by pressing the button and rotates backward by pressing one more time and stops by pressing again</li></ul>	<ul style="list-style-type: none"><li>Spindle circuit</li><li>Spindle motor</li></ul>

\*1: The driver IC heats up and the protection circuit starts working when the focus search is continued for 10 minutes or longer. There can be a case that operations cannot be performed correctly.  
In such a case, turn off the main power. After cooling down the machine, restart the machine.

\*2: Be careful not to damage the gear because the sled motor rotates while the UP or DOWN button is being pressed even if the pick-up is located in the innermost track or the outermost track.



## MECHANICAL PARTS LIST 1 / 1

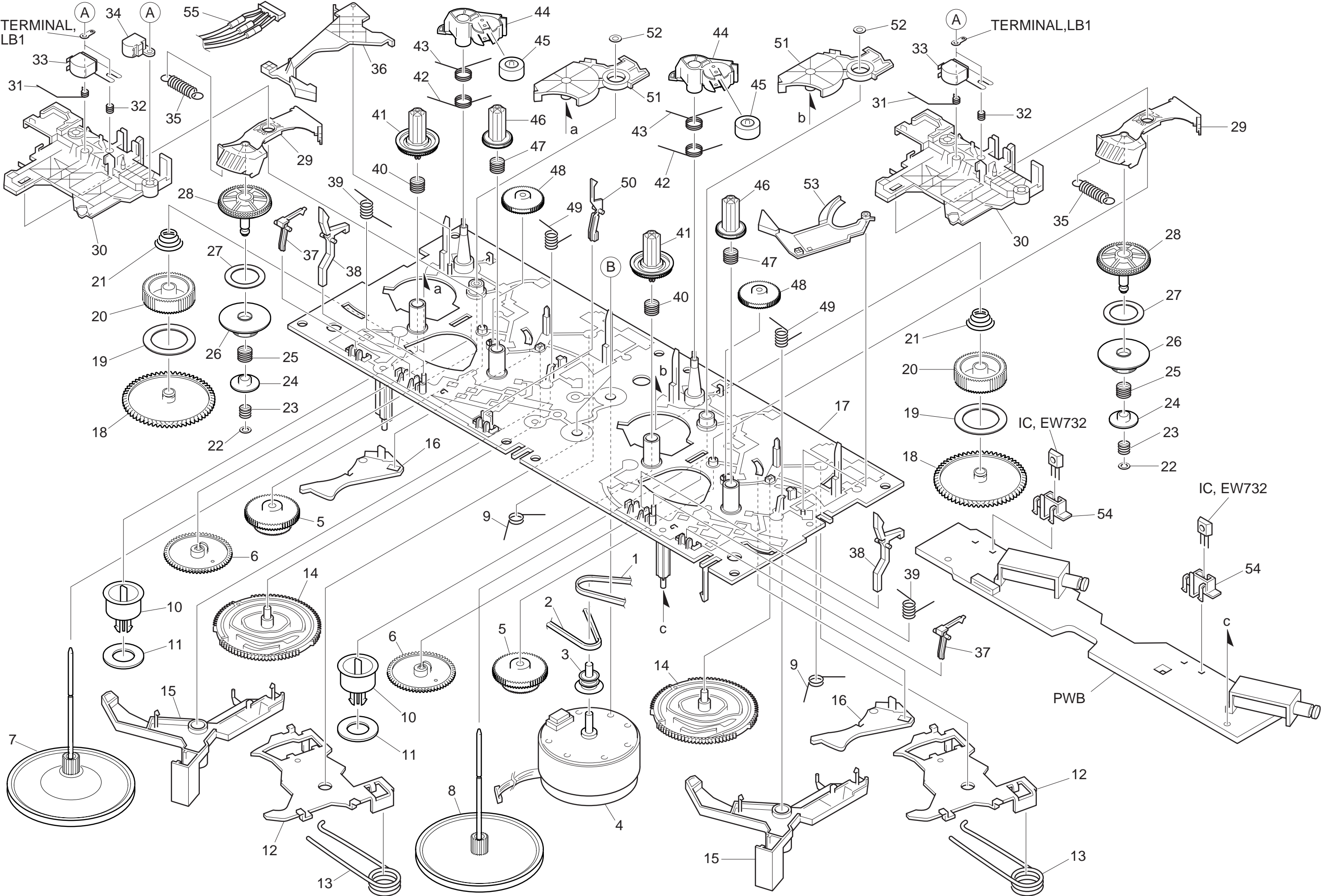
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-NF9-008-010		WINDOW, CASS 1
2	8B-NF9-009-010		WINDOW, CASS 2
3	8B-NF9-003-110		BOX, CASS 1
4	8B-NF9-004-110		BOX, CASS 2
5	8A-NF8-281-010		SPR-T, EJECT 1
6	8A-NF8-282-010		SPR-T, EJECT 2
7	8B-NF9-020-010		KNOB, RTRY JOG
8	8B-NF9-019-010		KNOB, RTRY VOL
9	8B-NF9-007-010		PANEL, JOG
10	8B-NF9-030-110		CABI, FR HR<HS, HT>
10	8B-NF9-033-110		CABI, FR LH<HA, LH>
11	8Z-NF6-210-010		DMPR, 150 N
12	87-CE3-023-010		BADGE, AIWA 30N SILV
13	8B-NF9-035-010		WINDOW, DISP H<HS, HT>
13	8B-NF9-038-010		WINDOW, DISP H 309<HA>
13	8B-NF9-039-010		WINDOW, DISP H 329<LH>
14	8B-NF9-026-010		PANEL, LEFT
15	8B-NF9-027-010		PANEL, TOP
16	8B-NF9-011-110		KEY, POWER
17	8B-NF9-021-010		REFLECTOR, ECO
18	8B-NF9-014-010		KEY, CD
19	8B-NF9-013-010		KEY, FUN
20	8B-NF9-016-010		KEY, OPE P
21	8B-NF9-012-010		KEY, T-BASS
22	8B-NF9-018-010		KEY, GEQ
23	87-NF4-216-010		HLDR, LOCK 1
24	86-NF9-224-010		SPR-C, LOCK
25	82-NF5-229-010		PLATE, LOCK
26	87-NF4-217-110		HLDR, LOCK 2
27	88-908-301-110		FF-CABLE, 8P 1.25

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
28	88-911-101-110		FF-CABLE, 11P 1.25
29	8B-NF9-207-010		GUIDE, FL 90.2-20
30	8A-NF8-206-010		HLDR, PWB M
31	8B-NF9-006-010		PANEL, TRAY
32	88-906-251-110		FF-CABLE, 6P 1.25 (RVS-FACE)
33	8B-NF9-024-010		KNOB, RTRY MIC<HS, HT>
34	8B-NFY-054-110		CABI, REAR HSSM<HS>
34	8B-NF9-081-010		CABI, REAR HTSM<HT>
34	8B-NF9-002-010		CABI, REAR LH W/O SPC<HA, LH>
35	8B-NF9-216-010		HLDR, TR S 1/2H<HS, HT>
35	8B-NF9-211-110		HLDR, TR S<HA, LH>
36	8A-NF9-211-010		HLDR, PWB PT HI
37	87-NF4-221-010		HLDR, CABLE
38	87-A80-105-010		AC CORD ASSY, AZ<HA>
38	87-A80-155-010		AC CORD ASSY, HS TS<HS>
38	87-A80-157-010		AC CORD ASSY, E BLK CC<HT, LH>
39	87-085-185-010		BUSHING, AC CORD (E)
40	8B-NF9-025-010		PANEL, RIGHT
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-NF4-224-010		S-SCREW, IT3B+3-8 CU
C	87-078-200-010		S-SCREW, ITC+4-8 R
D	87-067-689-010		TAPPING SCREW, BVTT+3-8
E	87-721-096-410		QT2+3-10 GLD
F	87-721-097-410		QT2+3-12 GLD
G	87-067-641-010		UTT2+3-8 (W/O SLOT) BL
H	87-067-584-010		TAPPING SCREW, BVT2+3-6

## COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray





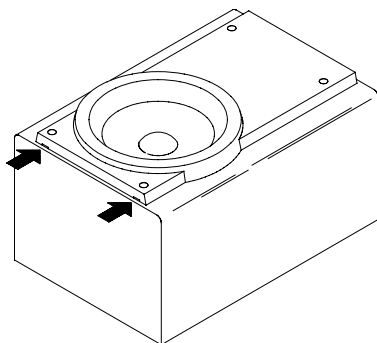
# TAPE MECHANISM PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-ZM3-227-010		BELT,MAIN M3	31	8Z-ZM3-233-010		SPR-T,BRG M3
2	8Z-ZM3-235-010		BELT,MAIN L	32	84-ZM2-227-310		SPR-C,AZIMUTH
3	8Z-ZM1-235-010		PULLEY,MOT	33	87-A90-403-110		HEAD,RPH MS15R
4	87-045-347-010		MOT,SHU2L 70	34	87-A90-404-010		HEAD,EH LE15B
5	8Z-ZM1-232-010		GEAR,IDL FF/REW	35	8Z-ZM3-239-010		SPR-E,FR
6	8Z-ZM3-244-010		GEAR,CAM TD20	36	8Z-ZM3-211-010		LEVER,EJECT R
7	8Z-ZM3-256-010		FLY-WHL ASSY,M3 R	37	8Z-ZM3-225-010		LEVER,STOP
8	8Z-ZM3-255-010		FLY-WHL ASSY,M3 L	38	8Z-ZM3-221-010		LEVER,CAS
9	8Z-ZM3-231-010		SPR-T,TRIG	39	8Z-ZM3-234-010		SPR-T,LVR CAS
10	8Z-ZM3-213-010		CLR,MG	40	8Z-ZM3-223-010		SPR-C,REEL R M3
11	82-ZM3-616-010		RING MAGNET 4	41	8Z-ZM1-225-110		GEAR,REEL R
12	8Z-ZM3-243-010		LEVER ASSY,HD UP	42	8Z-ZM3-240-010		SPR-T,T-UP M3
13	8Z-ZM3-238-010		SPR-T,HD UP	43	8Z-ZM3-237-010		SPR-T,PINCH M3
14	8Z-ZM3-219-010		GEAR,CAM M3	44	8Z-ZM3-215-010		LEVER,PINCH M3
15	8Z-ZM3-206-010		LEVER,TRIG	45	8Z-ZM1-261-110		ROLLER ASSY,PINCH
16	8Z-ZM3-209-010		LEVER,CAM FR	46	8Z-ZM1-226-010		GEAR,REEL L
17	8Z-ZM3-203-010		CHAS ASSY,M3	47	8Z-ZM3-222-010		SPR-C,REEL L M3
18	8Z-ZM1-228-010		GEAR,SLIP T-UP B	48	8Z-ZM3-251-010		GEAR,IDL REW M3
19	8Z-ZM1-265-010		FELT,T-UP	49	8Z-ZM3-236-010		SPR-T,PLAY M3
20	8Z-ZM1-227-010		GEAR,SLIP T-UP A	50	82-ZM1-240-110		LVR,REC(*)
21	8Z-ZM1-251-110		SPR-C,T-UP SLIP	51	8Z-ZM3-216-010		LEVER,T-UP M3
22	8Z-ZM1-275-010		W-L,1,47-4-0.25	52	87-B10-301-010		W-L,1.63-3.2-05 SLIT
23	8Z-ZM1-257-010		SPR-C,F/R	53	8Z-ZM3-212-010		LEVER,EJECT L
24	8Z-ZM1-236-010		CLR,SLIP FF/REW	54	8Z-ZM3-214-010		HLDR,IC
25	8Z-ZM3-226-010		SPR-C,FR M3	55	86-ZM3-605-110		CONN ASSY,8P -RPB
26	8Z-ZM3-250-010		GEAR,SLIP F/R A M3	A	84-ZM2-242-010		S-SCREW,AZ1-2-6.4
27	8Z-ZM1-269-010		FELT,FF/REW 2	B	8Z-ZM2-220-110		V+2.6 ZZM-2
28	8Z-ZM1-238-110		GEAR,SLIP FF/REW B 2				
29	8Z-ZM3-220-010		LEVER,FR M3				
30	8Z-ZM3-205-010		LEVER,PLAY M3				

## GENERAL SPEAKER DISASSEMBLY INSTRUCTIONS (FOR REFERENCE)

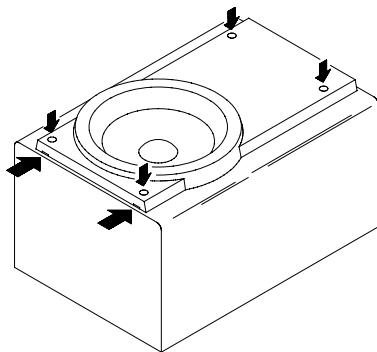
### Type.1

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



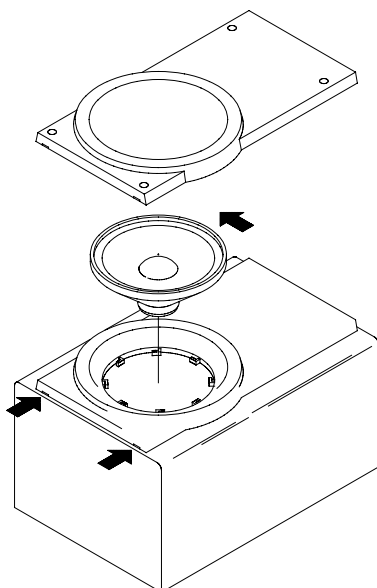
### Type.2

Remove the grill frame and four pieces of rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hole where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.

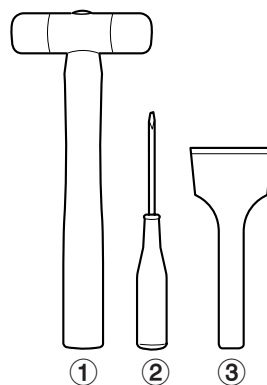


### Type.3

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counter-clockwise direction while inserting a flat-bladed screwdriver into one of the hollows around speaker unit, and then remove the speaker unit. After replacing the speaker unit, install it turning to clockwise direction until "click" sound comes out.



### Type.4



### TOOLS

- ① Plastic head hammer
- ② (⊖) flat head screwdriver
- ③ Cut chisel

### How to Remove the PANEL, FR

1. Insert the (⊖) flat head screwdriver tip into the gap between the PANEL, FR and the PANEL, SPKR. Tap the head of the (⊖) flat head screwdriver with the plastic hammer head, and create the clearance as shown in Fig-1.
2. Insert the cut chisel in the clearance, and tap the head of the cut chisel with plastic hammer as shown in Fig-2, to remove the PANEL, FR.
3. Place the speaker horizontally. Tap head of the cut chisel with plastic hammer as shown in Fig-3, and remove the PANEL, FR completely.

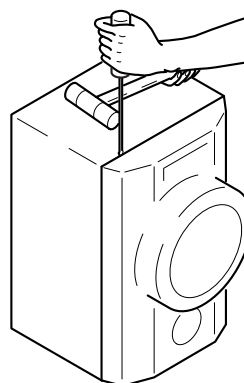


Fig-1

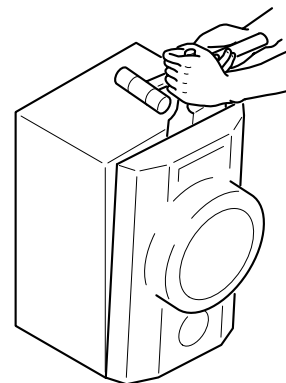


Fig-2

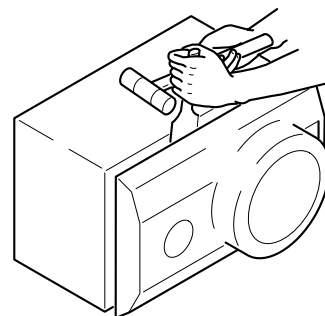


Fig-3

### How to Attach the PANEL, FR

Attach the PANEL, FR to the PANEL, SPKR. Tap the four corners of the PANEL, FR with the plastic hammer to fit the PANEL, FR into the PANEL, SPKR completely.


## SPEAKER PARTS LIST

SX-NSZ302 (YSC,YSL,YLSC,YLSL,YSC9,YLSC9)

SX-NSZ329 (YLSCM)

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-NSK-001-010		PANEL,FR R
2	8B-NSK-002-010		PANEL,FR L
3	8B-NSK-005-010		PROTECTOR, ASSY<EXCEPT YLSCM>
4	8B-NSK-602-010		SPKR,W 160<EXCEPT YLSC,YLSL,YLSC9,YLSCM>
4	8B-NSK-608-010		SPKR,W 160 H<YLSC,YLSL,YLSC9,YLSCM>
5	8B-NSK-604-010		SPKR,T 60<EXCEPT YSC,YSL,YSC9>
5	8B-NSK-610-010		SPKR,T 60<YSC,YSL,YSC9>
6	87-NS7-611-010		CORD,SPKR<EXCEPT YLSCM>
6	8B-NSK-612-010		CORD,SPKR<YLSCM>
7	87-NSH-612-010		SPKR,CERAMIC ASSY<EXCEPT YLSCM>
8	8B-NSK-614-010		CORD,TW ASSY<YLSCM>
9	8B-NS7-033-010		FOOT,ASSY<YLSCM>

## ACCESSORIES / PACKAGE LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8B-NF9-909-010		IB,HS(K)M<HS>
1	8A-NF9-911-010		IB,H(EC)M<HT>
1	8B-NF9-920-010		IB,HA(S)NEA-SZ309<HA>
1	8B-NF9-919-010		IB,LH(P)CCE-SZ329<LH>
2	8Z-NF9-701-210		RC UNIT,ZAS02
3	87-A92-150-010		ANT,LOOP AM NO-CONT<HS>
3	87-006-226-010		ANT,LOOP AM<HT>
3	87-006-268-010		ANT,LOOP AM<HA,LH>
4	87-043-115-010		FEEDER-ANT FM
5	87-A90-119-010		ANT,WIRE SW(5M)<HT>
	6	87-A91-017-010	PLUG CONVERSION, JT-0476<HT>

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